CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Sept. 5	Birmingham, Mich.	Sept. 1
Sept. 5	Fremont, Neb.	Sept. 1
Sept. 6	Kittaning, Pa.	Aug. 18
Sept. 6	Coon Valley, Wis.	Sept. 1
Sept. 7	Bristol, Conn. Adv. Aug. 25 and Sept. 1.	Sept. 1
Sept. 7	New York, N. Y.	Sept. 1
Sept. 9	Essex Fells, N. J. Adv. Aug. 25 and Sept. 1.	Sept. 1
Sept. 13	Prairie du Chien, Wis.	Sept. 1
Sept. 14	Central Islip, N. Y. Adv. Sept. 1.	Sept. 1
Sept. 15	Ashland, Ky.	Sept. 1
Sept. 16	Abilene, Tex.	Aug. 25
Sept. 16	Abilene, Tex. Adv. Sept. 1.	Sept. 1
Oct. 7	Collinsville, Ill. Adv. Sept. 1.	Sept. 1

SEWERS

Sept. 6	Canton, S. D.	Aug. 18
Sept. 6	Opelousas, La.	Aug. 18
Sept. 6	St. Louis, Mo.	Aug. 18
Sept. 6	Albany, Minn.	Aug. 25
Sept. 6	Palmyra, N. J.	Aug. 25
Sept. 6	Canton, S. D.	Sept. 1
Sept. 6	Morton, Ill.	Sept. 1
Sept. 13	Passaic, N. J.	Aug 25
Sept. 16	Austin, Minn. Adv. Sept. 1.	Sept. 1
Sept. 19	Hamilton, Ont. Adv. Sept. 1.	Sept. 1
Sept. 20	—Garfield, N. J.	Sept. 1

BRIDGES

Sept. 6	Trenton, N. J.	Aug. 25
Sept. 6	Lawrence, Kan.	Sept. 1
Sept. 7	Kingman, Kan.	June 30
Sept. 7	Muscatine, Ia.	Aug. 25
Sept. 7	New Jersey	Aug. 25
Sept. 7	Coffee, Que.	Sept. 1
Sept. 7	Perth Amboy, N. J. Adv. Aug. 25 and Sept. 1.	Sept. 1
Sept. 9	Oskaloosa, Kan.	Sept. 1
Sept. 12	Middlebourne, W. Va.	Aug. 25
Sept. 12	Hummelstown, Pa.	Sept. 1
Sept. 12	Madisonville, Tex. Adv. Sept. 1.	Sept. 1
Sept. 13	Maryland Adv. Sept. 1.	Sept. 1
Sept. 15	London, Ont.	Aug. 25
Sept. 16	Columbus, O.	Aug. 25
Sept. 22	Akron, O.	Sept. 1

EXCAVATION AND DREDGING

Sept. 6	Mason City, Ia.	Aug. 11
Sept. 6	Oskaloosa, Ia.	Aug. 25
Sept. 8	Aitken, Minn.	Aug. 18

STREETS AND ROADS

Sept. 6	California	Aug. 25
Sept. 6	Seattle, Wash.	Aug. 18
Sept. 6	Burlington, N. J.	Aug. 18
Sept. 6	Minneapolis, Minn.	Aug. 18
Sept. 6	Grundy Center, Ia.	Aug. 25
Sept. 6	New Jersey Adv. Aug. 25 and Sept. 1.	Aug. 25
Sept. 6	Vicksburg, Miss.	Aug. 25
Sept. 6	Slayton, Minn.	Aug. 25
Sept. 6	Hot Springs, S. D.	Aug. 25
Sept. 6	Fresno, Cal.	Sept. 1
Sept. 6	Hutchinson, Kan.	Sept. 1
Sept. 6	Weston, W. Va.	Sept. 1
Sept. 6	Los Angeles, Cal.	Sept. 1
Sept. 6	Colorado	Sept. 1
Sept. 6	Hiawatha, Kan.	Sept. 1
Sept. 6	Long Island City, N. Y.	Sept. 1
Sept. 7	Aitkin, Minn.	Aug. 25
Sept. 7	Muscatine, Ia.	Aug. 25
Sept. 7	Raleigh, N. C.	Sept. 1
Sept. 7	New York, N. Y.	Sept. 1
Sept. 8	Le Mars, Ia.	Sept. 1
Sept. 8	Virginia	Sept. 1
Sept. 9	Alabama	Aug. 18
Sept. 9	Long Island City, N. Y.	Sept. 1
Sept. 9	Phila., Pa.	Sept. 1
Sept. 9	Missouri	Sept. 1
Sept. 10	North Carolina	Sept. 1
Sept. 10	Nova Scotia	Sept. 1
Sept. 12	Louisiana	Aug. 25
Sept. 12	Wash., D. C. Adv. Sept. 1.	Sept. 1
Sept. 13	Sparta, N. J. Adv. Sept. 1	Sept. 1
Sept. 15	Nelson, Neb.	Sept. 1
Sept. 16	Junction City, Kan.	Aug. 25
Sept. 16	Junction City, Kan.	Sept. 1
Sept. 19	Clarksville, Tex.	Aug. 25
Sept. 20	New Orleans, La.	Sept. 1
Sept. 27	New Orleans, La.	Sept. 1

INDUSTRIAL WORKS

Sept. 5	Phila., Pa.	Sept. 1
Sept. 6	Ocean City, N. J. Adv. Sept. 1.	Sept. 1
Sept. 7	Harrisburg, Pa. Adv. Aug. 18 to Sept. 1.	Aug. 18

BUILDINGS

Sept. 6	Lincoln, Neb.	July 31
Sept. 6	Mankato, Minn.	Aug. 18
Sept. 6	Joliet, Ill.	Aug. 25
Sept. 6	Perrysburg, N. Y.	Aug. 25
Sept. 6	Cedar Grove, Wis.	Aug. 25
Sept. 6	Bloomington, Ill.	Sept. 1
Sept. 6	Peoria, Ill.	Sept. 1
Sept. 7	Ravenna, O.	Aug. 25
Sept. 7	Brooklyn, N. Y.	Sept. 1
Sept. 7	Detroit, Mich.	Sept. 1
Sept. 7	Des Moines, Ia.	Sept. 1
Sept. 8	Pittsburgh, Pa.	Aug. 25
Sept. 8	Detroit, Mich.	Sept. 1
Sept. 9	Ravenna, O.	Aug. 4
Sept. 9	Akron, O.	Sept. 1
Sept. 10	El Reno, Okla.	Sept. 1
Sept. 10	Chester, Pa.	Sept. 1
Sept. 10	Tuscola, Ill.	Sept. 1
Sept. 10	Danville, Ill.	Sept. 1
Sept. 12	Shelby, Mich.	Aug. 25
Sept. 12	Stevens Point, Wis.	Sept. 1
Sept. 15	Detroit, Mich.	Aug. 25
Sept. 15	Fairfield, Ia.	Sept. 1
Sept. 15	Rockford, Ill.	Sept. 1
Sept. 15	Tyler, Tex.	Sept. 1
Sept. 16	Great Bend, Kan.	Aug. 11
Sept. 16	Kearney (Arlington P. O.) N. J.	Aug. 18
Sept. 20	Detroit, Mich.	Aug. 25
Sept. 22	Warrensville, O.	Sept. 1
Sept. 26	Cheyenne, Wyo.	Sept. 1
Oct. 1	Williamsport, Pa.	Aug. 4

FEDERAL GOVERNMENT WORK

Sept. 2	Barges—Pittsburgh, Pa. Adv. Aug. 11 to Sept. 1.	Aug. 11
Sept. 5	Wreck Removal — Norfolk, Va.	Aug. 11
Sept. 5	Steel Barges — Memphis, Tenn. Adv. Aug. 11 to Sept. 1.	Aug. 11
Sept. 6	Alterations to Post Office—Greensboro, N. C.	Aug. 25
Sept. 6	Water-proofing Walls—Newport, R. I.	Aug. 25
Sept. 6	Refrigerating Plant—Alexandria, La.	Aug. 25
Sept. 7	Dredging—Phila., Pa.	
Sept. 7	Quay Wall Extension—San Diego, Cal.	Aug. 11
Sept. 7	Riprapping Dike — Mare Island, Cal.	Aug. 11
Sept. 7	Dredging and Filling, etc.—San Diego, Cal.	Aug. 11
Sept. 7	Crane—South Boston (Boston P. O.), Mass.	Aug. 11
Sept. 7	Crane — Puget Sound, Wash.	Aug. 11
Sept. 12	Wicket Irons, etc. — Cincinnati, O. Adv. Sept. 11.	Sept. 1
Sept. 14	Pumping Units — Denver, Col.	July 28
Sept. 14	Power Plant Equipment — Yorktown, Va.	Sept. 1
Sept. 15	Airship Hangar—Belleville, Ill. Adv. Aug. 18 to Sept. 1.	Aug. 18
Sept. 19	Dredging—Detroit, Mich.	Aug. 25
Sept. 21	Machine Shop—Pearl Harbor, H. T.	Aug. 11
Sept. 22	Emergency Dams — Seattle Wash. Adv. Aug. 11 to Sept. 1.	Aug. 11
Sept. 26	Hydraulic Dredge — Phila., Pa. Adv. Sept. 1.	Sept. 1

MISCELLANEOUS

Sept. 5	Fire Hydrants—Detroit, Mich	Sept. 1
Sept. 6	Pipe-Haworth, N. J. Adv. Aug. 25 and Sept. 1.	Sept. 1
Sept. 6	Cast Iron Pipe—St. Paul, Minn.	Sept. 1
Sept. 6	Pipe—Hiawatha, Kan. Adv. Aug. 25 and Sept. 1.	Sept. 1
Sept. 6	Levee—Frankfort, Ky. Adv. Aug. 25 and Sept. 1.	Sept. 1
Sept. 6	Standpipe System—Detroit Mich	Sept. 1
Sept. 7	Dredge—Belzoni, Miss.	Aug. 11
Sept. 7	Culverts—Salem, N. J. Adv. Aug. 18 to Sept. 1.	Aug. 25
Sept. 7	Core Borings—New Britain, Conn. Adv. Aug. 25 and Sept. 1.	Sept. 1
Sept. 7	Subway—Aurora, Ont.	Sept. 1
Sept. 8	Standpipe — Belchertown, Mass. Adv. Sept. 1.	Sept. 1
Sept. 9	Piers—Phila., Pa.	Aug. 18
Sept. 12	Garbage Disposal—Providence, R. I.	Aug. 11
Sept. 12	Docks—Houston, Tex.	Sept. 1
Sept. 17	Railway Ties — Toronto, Ont.	Aug. 11
Sept. 28	Crane—New York, N. Y. Adv. Sept. 1.	Sept. 1

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Pa., Morrisville—Boro. plans to build filtration plant. About $72,000. F. S. Hoagland, mayor.

Pa., Phila.—Water Bureau receives bids within 90 days, laying 20,000 ft. 6, 8 and 12 in. water pipe in various streets. About $100,000. F. Caven, dir.

Ill., Glenellyn—City having plans prepared laying 4-6 in. water mains in various streets. About $25,000. G. G. Nelson, Spurling Bldg., Elgin, engr.

Ill., Pittsfield—City having plans prepared for purification plant and addition to waterworks. Caldwell Eng. Co., Ayers Bank, Jackson, engrs.

Mo., Hamilton—City having plans prepared for water works system. About $75,000. E. T. Archer & Co., New England Bldg., Kansas City, engrs. Noted Aug. 11.

Waterworks (Continued)

Okla., Pawhuska—City election Sept. 6, to vote on $177,000 bonds for 2,000,000 gal. tank and 1,500,000 gal. filtration plant, and laying 20,000 lin. ft. 12 in. pipe. H. G. Olmsted & Co., Tradesmans Bank Bldg., Oklahoma City, engrs. Noted June 26.

BIDS DESIRED

Conn., Bristol—Until Sept. 7, by Bd. Water Comrs., 201 City Hall, New Britain, for sinking tubular wells near White Bridge here, J. D. Williams, city engr; advertised in this issue.

N. Y., Central Islip—Until Sept. 14, by State Hospital Comn., Capitol, Albany, for an artesian well and additional water supply at South Colony Power Plant, Central Islip Hospital, here. L. F. Pilcher, state archt.; advertised in this issue.

N. J., Essex Fells—Until Sept. 9, by Boro. Boro Hall, furnishing c. i. pipe, Contr. A; laying 6 and 10 in. c. i. pipe and constructing 200,000 gal. reservoir, Contr. B. P. L. Braunworth, 671 Broad St., Newark, N. J., consult. engr.; advertised in this issue.

N. J., Garfield—Until Sept. 20, by Passaic Valley Sewerage Comrs., 128 Market St., Newark, constructing part of Sect. 19, Garfield-Wallington-Passaic Branch Intercepting Sewer, consisting of Garfield River-Crossing, here and Passaic, involving earth excavation, dredging and refilling, in trench and open excavations, for 30 in. c.i. pipe line crossing Passaic River, laying 30 in. c.i. pipe line across Passaic River, 130 cu.yd. concrete masonry, 10,000 lb. reinforcing steel, etc. J. R. Van Duyne, ch. engr.

Ky., Ashland—Until Sept. 15, by Alvord & Burdick, engrs., 8 South Dearborn St., Chicago, building 3,000,000 gal. water filtration plant, 500,000 gal. rein.-con. reservoir and timber room over same, laying 1 mi. 12 in. and 1½ mi. 6 and 8 in. c.i. pipe, here. About $160,000. E. C. Means, Ashland, Bd. Water Comrs.

Mich., Birmingham—Until Sept. 5, by W. H. Brown, village clk., furnishing 3 types (centrifugal, rotary and plunger) motor driven deep well pumps for waterworks plant. About $25,000.

Ill., Collinsville—Until Oct. 7, by City Council, furnishing and installing 2 steam pumps, also sinking 2 wells, for municipal waterworks system. J. Bailey, clk; advertised in this issue.

Wis., Coon Valley—Until Sept. 6, by J. Sather, clk., building rein.-con. high service water reservoir, to have 100,000 gal. capacity. W. S. Woods, Batavian Bank Bldg., LaCrosse, engr.

Wis., Milwaukee — Until Sept. 9, by Central Bd. Purch., furnishing 1,928 ton straight c.i. pipe, 241 ton straight c.i. pipe, lugged, 376 ton special castings and six 24-54 in. gate valves. Noted July 7.

Wis., Prairie-du-Chien—Until Sept. 13, by Alford & Burdick, engrs., 8 South Dearborn St., Chicago, building 1 story, irregular shaped brick pumping station, concrete pit, gasoline engine centrifugal pump and drilling 3 wells, here. About $70,000. F. R. Honzel, city clk.

Neb., Fremont—Until Sept. 5, by F. L. Burrell, Comr. City Light & Water Dept., furnishing 20,512 lin.ft. Class B, 4-6 in. c.i. pipe, 13 pieces 6 in. x 12 ft. Class B c.i. spigots, twenty four 4-6 in. gate valves, and boxes, and fifteen 6-in. fire hydrants, etc., for waterworks system.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Pa., Pittsburgh—City received bids relining northerly portion of reservoir No. 2, in Highland Park, gunite and rein.-con., from A. V. Purnell, 507 Jarvella St., $27,310; J. T. Barr, 1600 Princess St., $29,621; J. F. Casey Co., Union Arcade, $36,775.

★**Pan., McPherson**—City let contract building 110 ft. steel water tank, to Stucker & Stracker, Lawrence, $38,900.

★**Wis., River Falls**—City let contract building concrete pump house, filter basin and pumps to J. W. Hildred Co., 1019 Commerce Bldg., St. Paul, Minn., at $9,844. Noted Aug. 11.

★**Mont., Browning**—City le. contract building 125 ft. steel tower with 75,000 gal. tank, drilled well, pump house and equipment, also laying 5,000 lin.ft. 6 in. c.i. mains, to Two Miracle Concrete Co., 437 Ford Bldg., Great Falls. About $55,000.

★**Okla., Tulsa**—City let contract extending waterworks system involving 2,500,000 gal. settling basin, 12,000,000 gal. low service pump, 6 filter units, etc., to Tibbets & Pleasant, Inc., New Daniel Bldg. About $129,000. Noted Aug. 4.

★**Ont., Richmond Hill**—City let contract laying 3 mi. 6 and 8 in. c.i. water mains, to F. F. Fry, 43 Scott St., Toronto, furnishing c.i. pipe, to Natl. Iron Corp., Cherry St., Toronto; elevated steel tank to Canadian Des-Moines Steel Co., Inches St., Chatham; filter equipment to Genl. Supply Co., 38 Toronto St., Toronto; filter building pumphouse and dam to Reid & Somers, Elora, etc. Total cost $100,000.

Sewers

PROPOSED WORK

Mich., Negaunee—City having preliminary plans prepared building sewerage system in various streets. Hoad & Decker, Ann Arbor, engrs.

O., Columbus—Franklin Co. having plans prepared for 4 mi. 24-39 in. sewer from Goodall St. and Olentangy River to Upper Arlington, cost $186,000; also 2½ mi. 12-24 in. sewer covering easterly side of territory, $43,000. E. G. Bradbury, Gugle Bldg., engr.

O., Dayton—Montgomery Co. plans to build 12,000 ft. 6-30 in. vitr. sewer in Overlook Sanitary Sewer Dist. 1, involving about 20,000 cu.yd. earth trenching and 175 manholes. About $157,000. K. B. Allen, U. B. Bldg., engr.

O., Portsmouth—City having plans prepared for intercepting and relief sewers. About $350,000. Pearse, Greeley & Hansen, 39 West Adams St., Chicago, Ill., engrs.

Ill., Downers Grove—City having plans prepared building sewage disposal plant. About $125,000. E. Otto and E. Maple, Downers Grove, engrs.

Minn., Lewiston—City having plans prepared for sanitary sewerage system in various streets. About $40,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, engrs.

Minn., Rochester—City receives bids in October, building trunk line sanitary sewers in various streets, involving 10,000 lin.ft. 15-24 in. vitr. tile, 5,000 lin.ft. sewer pipe and small septic tank. About $100,000. C. H. Armstrong, city engr.

Mo., Burlington Junction—City having plans prepared for vitr. title sewers and water mains in various streets. About $25,000. E. T. Archer & Co., New England Bldg., Kansas City, engrs.

Mo., Monett—See "Miscellaneous."

BIDS DESIRED

N. Y., New York—Until Sept. 7, by H. Bruckner, pres. Bronx Boro, Municipal Bldg., Crotona Park, Tremont and 3rd Aves., Bronx, constructing sewer and appurtenances in Dean Ave. between Barkley and Layton Aves.

Ill., Morton—Until Sept. 6, by city, c/o J. E. Gerger, pres., and B. F. Smith, engr., Court House, Pekin, building storm drain sewerage system, Dist. 1, involving 8 to 30 in. glazed sewer pipe and 30 to 45 in. manholes.

Minn., Austin—Until Sept. 16, by F. R. Smith, city recorder, constructing main intercepting sewer from point near Austin gas plant parallel with and adjacent to Red Cedar River, to site of proposed pumping station; sanitary sewers in Dobbins St. and Bowman Ave. A. B. Overland, city engr.; advertised in this issue.

S. D., Canton—Until Sept. 6, by City, building storm sewer system in various streets. About $25,000. G. Hokenstad, clk. Smith & Reeves, Mitchell, engrs. Noted Aug. 18.

Ont., Hamilton—Until Sept. 19, by S. H. Kent, city clk., building storm overflow sewers, Sects. 1 and 2. E. R. Gray, city engr.; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. Y., Long Island City**—M. E. Connolly, pres. Queens Boro., let contract building sewers in portions 76th St. (Lott Ave.), etc., and 76th St. (Lott Ave.), to A. Paino, Corona, $34,084 and $37,829 respectively; 76th St. (Lott Ave.), etc., to P. J. Clancy, 460 Lockwood St., Astoria, $40,783; Ferguson St., etc., to Green Contg. Co., 734 Vernon Ave., Astoria, $122,497. Noted Aug. 18.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, 68 Hunters point Ave., opened bids Aug. 24, building sewers in (1) Central Ave., etc., (2) Manor Ave., etc., (3) Metropolitan Ave., etc.; receiving basins in (4) four corners of Boulevard and Bovine St., 1st Ward, from A. Paino, Corona (1a) $149,477, (1b) $139,570; Seaside Contg. Co., Inc., (1a) $151,218, (1b) $152,365, (3a) $47,881, (3b) $44,230; Litchfield Constr. Co., 280 Madison Ave., New York City, (1b) $71,129; F. Frey, 818 Ocean Parkway, Brooklyn, (1a) $158,201, (1b) $163,839; F. L. Paino, (1b) $117,118; F. Spinelli, 142 Jefferson St., Brooklyn, (2) $3,641, (3b) $21,953; J. H. Johnson Co., (2) $3,835; J. F. Clancy, Inc., 460 Lockwood St., Astoria, (2) $4,562; J. Jennings Bay 134th St., Belle Harbor, (3a) $29,201; Kennedy & Smith, Inc., 93 Amity St., Flushing, (3b) $33,347, (4) $1,661; Green Contg. Co., 734 Vernon Ave., Astoria, (4) $1,960. Noted Aug. 18.

★**Pa., Phila.**—City let contracts building sewers in sections of Buist Ave., Brill, C Ella, Earnest, Folsom, 54th, 55th and Granite Sts., to J. Lombardi, Lincoln Bldg., cost $32,345; Olney and Paschall Aves., Hegerman, Howell, Kip, Mifflin, Porter, St Bernard, 67th and Tioga Sts., to R. Lombardi, Lincoln Bldg., $36,272; Atlantic St. to C. D. Land, 28th and Cambria Sts., $1,214; Snyder Ave. Bambrey and 15th Sts., to C. Riccardi, 1226 South Juniper St., $8,461; Beaumont Ave., to Higgins & Reilley, Real Estate Trust Bldg., $3,290; Chester Ave., to A. A. Pastore, 5903 Woodland Ave., $1,309; Dittman St., to Curtis Bros. Tacony Bank Bldg., $2,568; Emery St., to N. Coscetti, 2037 West Venango St., $3,925; Emily, Hope, McKeen, Seigel, 70th, 30th and Vine Sts., to W. H. Yettman, Jr., Lincoln Bldg., $23,271; F and Westmoreland Sts., to F. T. Buckins, Jr., 4050 Kensington Ave., $8,789; Fisher Ave., Hegerman, 12th and Walker Sts., to J. J. McHugh, 1617 Race St., $20,663; 59th St. and Lebanon Ave., to Girard Underpinning & Constr. Co., 2930 Diamond St., $34,045; Hancock St., to M. Mattia, 263 North Simpson St., $504; Hartwell and Snyder Aves., Ruscomb, 17th and 3rd Sts., to P. Ellis, 3342 North 11th St., $46,276; Latona St., to P. DeMayo, 826 Fitzwater St., $4,766; Reese St., to A. De Sandro, 3906 5th St. N., $2,867; Roosevelt Blvd., to D. Silvestri, 5830 Magnolia Ave., $2,610; St. Bernard St., to C. H. Parker, 1018 Pine St., Darby, $2,783; 13th St., to J. Perma, 362 North 65th Ave., $5,022; 28th St., to E. Leva 3851 North 10th St., $1,162. Noted July 28.

Mich., Detroit—City received bids building laterals as follows: (1) 3393, (2) 3427, (3) 3500, (4) 3505, (5) 3507, (6) 3509, (7) 3512, (8) 3514, from Langley & Barton, 3714 Lincoln Ave., (1) $26,200.

C. R. Lennane & Co., Union Trust Bldg., (1) $20,035.

Western Constr. Co., 1208 Ford Bldg., (1) $21,522, (2) $2,979, (8) $45,646.

Detroit Drainage Constr. Co., 400 Penobscot Bldg., (2) $2,974, (3) $31,191, (4) $8,900, (5) $4,923, (7) $3,340.

R. D. Baker, 1631 Elmhurst Ave., (2) $3,000, (6) $2,375.

Liberty Constr. Co., 36 State St., (3) $29,800, (4) $7,890, (5) $4,719, (6) $2,747, (8) $52,250.

W. Blanck & Co., 927 Ford Bldg., (3) $32,344, (8) $52,000.

E. L. McIntyre, Grand River Ave., (4) $8,450.

V. Teetaert, 448 St. Clair Ave., (5) $5,363.

A. DeFazio & Son, 4909 Holcomb Ave., (6) $2,700.

N. DiPonio, 11532 Goodwin Ave., (7) $3,800.

H. Fortuna, 4422 St. Aubin Ave., (7) $3,150.

★**Mich., Iron Mountain**—Alvord & Burdick, engrs., 8 South Dearborn St., Chicago, Ill., let contract building 9 mi. sanitary sewers, involving 8, 10 and 12 in. tile pipe, 204 concrete manholes, sewage pumping station and 2 pumps, to J. J. Bacco, Iron Mountain, $85,351.

Mont., Billings—City received bids trenching and laying storm sewers in Burlington, Alderson and Grand Aves., Impvt. Dist. 190, involving 9,407 lin.ft. 10-36 in. pipe, from F. E. Evans, Billings, $44,474; Security Bridge Co., 502 North 42nd St., $48,000.

★**Mo., Monett**—City let contract laying sewers in various streets, to M. E. Giullioz, Monett, $25,165. Noted July 21.

★**Ont., Niagara Falls**—City let contract building 1 mi. Muddy Run Sewer, involving 42-54 in. concrete pipe, to Johnston Bros., 43 Market St., Brantford. About $238,000 Noted July 14.

Bridges

PROPOSED WORK

North Carolina—State Highway Comn., Raleigh, plans to build 300 ft. rein.-con. bridge across South River, State Project 596, Cumberland Co. About $35,000. C. M. Upham, state highway engr.

North Carolina—State Highway Dept., Raleigh, plans to build bridge over Haul

Bridges (Continued)

River, near **Trollingwood, rein.-con. or steel,** State Project 576 Alamance Co., cost $150,000; 300 ft. bridge over Toe River, near Spruce Pine, State Project 643, Mitchell Co., $25,000; concrete bridge over Yadkin River, State Project 600, Davidson Co., $100,000; 50 ft. bridge over Cold Camp Creek and 6 smaller bridges, State Project 622, Robeson and Columbus Counties, $80,000. C. M. Upham, state highway engr.

N. C., Kinston—Lenoir Co. plans to construct 300 ft. steel bridge (Edwards Bridge), over Moccasin River, between Green and Lenoir Counties. About $25,000. E. V. Webb, Kinston, co. highway comr.

Mich., Detroit—City soon receives bids building concrete and steel bridge, on Harbor Ave., and Congress St. approaches. About $26,500. J. Reid, Municipal Courts Bldg., engr.

Mich., Sebewaing—State Highway Dept., Lansing, plans to build Bridge 322301, with 75 ft. concrete girder span, with high abutments, here. F. F. Rogers, Comr.

Kan., Wichita—Sedgwick (Wichita) and Harvey (Newton) Counties had plans prepared constructing 2 span 125 ft. rein.-con. arch on county line. About $50,000. M. Rosenberry, Wichita, engr.

BIDS DESIRED

N. J., Perth Amboy—Until Sept. 7, by State Highway Comn., Broad Street Bank Bldg., Trenton, repairing Amboy Bridge, over Raritan River, on State Highway Route 4, Between here and South Amboy. A. L. Grover, Trenton, ch. clk.; advertised in this issue. Noted Jan. 6.

Pa., Hummelstown—Until Sept. 12, by H. W. Gough, controller Dauphin Co., rebuilding Bridge 125-26, over Swartara Creek, rein.-con., 100 ft. long. About $140,000.

Maryland—Until Sept. 13 by State Rds. Comn., 601 Garrett Bldg., Baltimore, building bridges in Cecil, Howard and Prince George counties. Advertised in this issue.

Virginia—See "Streets and Roads."

O., Akron—Until Sept. 22, by Bd. Comrs. Summit Co. constructing 70 ft. substructure and superstructure concrete girder bridge on West North St., to have 2 span, involving 600 cu.yd. excav., 400 sq.yd. brick pavement, 210 cu.yd. rein.-con., 260 cu.yd. concrete, 18 ton reinforcing steel, cost $17,940; substructure and furnishing and placing 60 ft. steel plate girder bridge on 65-B-8, involving 160 cu.yd. excav., 120 cu.yd. concrete, 25 ton structural and 2 ton reinforcing steel, etc., $11,402. C. J. Costigan, Court House, engr.

Kan., Emporia—See "Streets and Roads".

Kan., Oskaloosa—Until Sept. 9, by Bd. Comrs., Jefferson Co., building 7 rein.-con. bridges and culverts with 5-40 ft. spans. About $25,000. W. M. Irwin, Oskaloosa, engr.

Kan., Lawrence—Until Sept. 6, by B. L. Wolf, engr. Douglas Co., constructing 170 ft. steel span, over Wakarusa River, 26 ft. roadway. About $40,000. G. C. Brune, co. clk.

Tex., Madisonville—Until Sept. 12, by A. H. Menefee, co. judge, building about 988 lin.ft. creosoted timber bridges in Madison Co. J. M. Brownlee, Jr., secy.; advertised in this issue. Noted July 7.

Que., Coffee—Until Sept. 7, by A. F. Stewart, ch. engr. Canadian Natl. Ry., Moncton, N. B., building single track railway bridge, over Coffee River, 1 mi. west of here. About $30,000.

PRICES AND CONTRACTS AWARDED

(★Indicates contract awarded)

★**Conn., Bridgeport**—Dept. of Pub. Wks. let contract repairing and strengthening Cogress St. bridge, over Pequonnock River, rein.-con., to Stuart & Sons Co., 222 Pearl St., Newtonville, Mass. About $38,000. Noted Aug. 25.

★**Conn., New London**—City let contract constructing concrete bridge, on Crystal Ave. (New London approach to Thames River bridge), to Holbrook Co., Westbrook, $27,607. Noted Aug. 25.

N. Y., Rexford—C. S. Cadle, supt. Pub. Wks., Capitol Bldg., Albany, opened bids Aug. 24, building bridge across Mohawk River, between here and hamlet of Aqueduct, from Lathrop, Shea & Henwood Co., Ellicott Sq., Buffalo, $31,667; Amer. Pipe & Constr. Co., North Broad St., Phila., $33,357; Scott Bros., Arlington Blk., Rome, $36,084. Noted Aug. 18.

N. Y., Waterloo—C. S. Cadle, supt. Pub. Wks., Capitol, Albany, received bids Aug. 24, building bridge across Old Cayuga and Seneca canal at Virginia St. here, from Lathrop, Shea & Henwood, Ellicott Sq., Buffalo, at $22,228; E. W. Foley Contr. Corp., Waterloo, $22,359; McGregor & Corbett, Herkimer, $23,535. Noted Aug. 18.

★**New Jersey**—State Highway Comn., Broad St. Bank Bldg., Trenton, let contract building Bridge K on Route 4, over Jobs Creek, south of Tuckerton, Burlington Co., and Bridges 12 and 14, also Culverts 9, 11 and 13, on Route 12, Sect. 3, between Phillipsburg and Washington, Warren Co., to C. S. Edwards, 1 Exchange Pl., Jersey City, $14,800 and $34,000 respectively. Noted Aug. 11.

North Carolina—State Highway Dept., at div. office Marion, received bids building bridges, on State Project 571, McDowell Co., from Prayton-Howton-Wood Concrete Co., Albany, Ga., $84,210, C. W. Lacy, Wilmington, $85,480, Luten Bridge Co., 405 East 4th Ave., Knoxville, Tenn., $88,880. Noted Aug. 11.

★**Fla., West Palm Beach**—Bd. Comrs. of Palm Beach Co., let contract building bridge over Lake Worth, 1,885 ft. long, to A. S. Hecker Co., 822 Lee Bldg., Kansas City, Mo. About $284,000.

★**Ia., Centerville**—Appanoose Co. let contracts building concrete bridges as follows: Bridge 21, to Iowa Bridge Co., 712 Hubbell Bldg., Des Moines, $34,187; Bridge 22, Standard Bridge Co., 1302 City Natl. Bk. Bldg., Omaha, Neb., $4,229; Bridges 1 to 37, except foregoing, Cameron, Joyce & Co., Keokuk, $14,173.

Excavation and Dredging

PROPOSED WORK

Ill., Mt. Carmel—Ditch and Levee—Wabash Co. having plans prepared building 13 mi. D.D., concrete levee and pumping stations, Dists. 6 and 7. About $200,000. G. C. Harvey, Court House, engr.

Minn., Mankato—Ditch—Blue Earth Co., soon receives bids building Judicial Ditch 38, 40 and 41, involving 8-42 in .tile. About $30,000, $38,000 and $60,000 respectively. R. H. Allison, Mankato, engr.

Minn., Mantorville—Ditch—Dodge Co. having plans prepared building Co. Ditch 5. About $55,000. R. Allison, Mankato, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates contract awarded)

★**Ill., Chicago**—Excavation, etc.—Dubin & Eisenberg, archts., 14 West Washington St., let contract excavating and building foundation of home and nursery, on California Ave. and Hirsch Blvd., for Daughters of Zion Infants Home and Day Nursery, 1441 Wicker Park Ave., to Waldman Constr. Co., 1725 West North Ave., $25,000. Noted June 23, under "Buildings."

★**Ia., Ottumwa**—Drainage and Levee—F. W. Prosser, aud. Wapello Co., let contract building drainage ditch and improving levee, Dist. 1, (Soap Creek) Wapello and Davis Counties, involving 124,142 cu. yd. excav. and 26,055 cu.yd. earth, to Harness Bros., Ottumwa, $0.16 per cu.yd. for channel and $2.50 per cu.yd. for loose rock excav.; $0.18 per cu.yd. for earth embankment. Noted July 7.

Streets and Roads

PROPOSED WORK

N. J., Camden—Bd. Freeholders Camden Co. plans to resurface and widen 2 mi. Browning Rd., from 10 to 20 ft. About $25,000. J. G. Albertson, Magnolia, engr.

Fla., Jacksonville—City had plans prepared paving 4 mi. Main St., brick or asphalt. About $240,000. F. M. Edwards, city engr.

North Carolina—State Highway Dept., Raleigh, plans to clear, grub, drain, grade, topsoil, and build bridges on 17 mi. State Project 618, Sampson Co., about $100,000, 12.5 mi. State Project 569, Hyde Co., $90,000; grade, drain and topsoil 3.9 mi. State Project 515, Nash Co., $32,000. C. M. Upham, state highway engr.

North Carolina—State Highway Dept., Raleigh, plans to clear, grub, grade, drain and topsoil 10.1 mi. State Project 632, Yadkin and Surry Counties, cost $90,000, 8 mi. State Project 635, Rutherford Co., $36,000, 14.3 mi. road from Sylva to Macon Co. line, State Project 615, Jackson Co., $143,000, 10.2 mi. State Project 556, Davie Co., $90,000, 11½ mi. State Project 553, Watauga Co., $108,000, 10.6 mi. State Project 552, Cleveland Co., $95,000, 13.2 mi. State Project 551, Caldwell Co., $125,000, 12½ mi. State Project 554, Mitchell Co., $125,000; clear, grub, grade, drain, bridge and topsoil 12 mi. State Project 557, Madison Co., $180,000, 13 mi. State Project 548, Clay Co., $195,000; grade, drain, topsoil and bridge 5 mi. State Project 636, Madison Co., $50,000, 8 mi. State Project 637, Macon Co., $100,000; grade, drain, pave with concrete or some asphaltic material 11.1 mi. State Project 588, Catawba Co., $333,000; grade, drain and pave with some type hard surface 5.9 mi. State Project 646, Wilkes Co., $180,000; pave with plain or rein.-con., or some asphaltic type, 2 mi. State Project 634, Cleveland Co., $60,000. C. M. Upham, state highway engr.

N. C., Elizabeth City—Pasquotank Co. plans to build roads and bridges. About $250,000. W. C. Woodley, Elizabeth City, chn. co. highway comn.

N. C., Newton—Catawba Co. plans to pave 1 mi. road from city limit of Hickory toward Brookford, bitulithic. About $30,000. N. Wyantt, Hickory, co. comr.

N. C., Winton—Hertford Co. voted $500,000 bonds to build roads and bridges. J. B. Worrell, chn. co. highway comn. Noted June 30.

Ill., Chicago—Bd. Local Impvts., City Hall, plans to pave Marshfield Ave., from 83rd to 87th Sts., asphalt on 6 in. concrete base, involving 37,600 sq.yd. paving, 24,960 lin.ft. combination curb and gutter. About $300,000. C. D. Hill, ch. engr.

Ill., Elgin—City having plans prepared paving, curbing and guttering State and North Liberty Sts., asphalt on concrete base. About $25,000. W. H. Brightman, City Hall, engr.

Ill., Joliet—City plans to pave Young Ave. and Clay St., asphalt, with concrete curb and gutters. About $50,000. P. Beck, clk. A. S. Calkins, Joliet Natl. Bank, engr.

Ill., Parnell—City having plans prepared paving various streets, vitr. brick on concrete base. About $77,000. Holbrook-Warren & Andrews, Decatur, engrs.

Ill., Roodhouse—City having plans prepared grading and surfacing various streets, macadam. About $25,000. Caldwell Eng. Co., Ayers Bank, Jackson, engrs.

Ill., Waukegan—Lake Co. having plans prepared surfacing Sects. "P" and "Q," Rockland Rd., concrete and macadam. About $45,000. C. E. Russell, supt. C. M. Powell, Waukegan, engr.

Mich., Detroit—City plans to grade and pave various alleys, 18-20 ft. wide, with one course rein.-con. About $93,010. C. W. Hubbell, city engr.

Kan., Downs — City having plans prepared surfacing 16 blocks of various streets, vitr. brick on concrete base. About $48,000. Benham & Mullergren, Firestone Bldg., Kansas City, Mo., engrs.

Kan., Eldorado—Butler Co., c/o W. Blair, clk., having plans prepared surfacing 10½ mi. Federal Aid Project 90, brick on concrete base. About $250,000. H. Austin & Co., Eldorado, engrs.

Kan., Emporia—Lyons Co. had plans prepared grading and draining Sects. A and D, involving 105,560 sq.yd. concrete pavement, 9,100 cu.yd. borrow, 53,115 cu.yd. earth, 458 cu.yd. solid rock and 97 cu.yd. loose rock excav., constructing bridge with one 45 ft., one 46 ft. and two 30 ft. T girders, on Sect. K. W. R. Ruggles, Emporia, engr.

Mont., Livingston—City soon receives bids paving various streets, involving 4,100 cu.yd. excav., 12,100 sq.yd. paving, and 5,000 lin. ft. curb. Bids on vitr. brick, concrete, asphaltic concrete, wood block and bithulithic, desired. About $45,000. C. T. Sackett, city engr.

Mo., Monett—See "Miscellaneous."

Mo., Plattsburgh—T. Jennings, clk. Clinton Co., soon receives bids improving 4 mi. Clinton-Deepwater Rd., 18 ft. wide, 2 mi. concrete and 2 mi. chat. About $60,000. T. Parks, Court House, co. engr.

Mo., St. Louis—City plans to pave various alleys, lettings 1112-1217, vitr. brick on concrete base. About $38,400. E. R. Kinsey, dir. Pub. Serv. Engineer's name withheld.

Utah—State Highway Comn., Salt Lake City, plans to gravel surface 8 mi. Federal Aid Project 10, Uinta Co., 18 ft. wide. About $55,000. I. R. Browning, Capitol, state highway engr.

Streets and Roads (Continued)

BIDS DESIRED

N. Y., Long Island City—Until Sept. 9, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., 68 Hunterspoint Ave., regulating and repaving Crescent St. at Bridge Plaza South, 1st Ward, granite block on concrete foundation; Metropolitan Ave. from Juniper Ave. to Lilac St., 5th St., from Jackson to Greenpoint Aves., Second Ward, Louona Ave., from Corona Ave. to Long Island R.R., Second Ward, 1st Ave. from 1st to 3d Sts., and from 10th to 13th Sts. (College Point), 3d Ward, sheet asphalt on concrete foundation; resurfacing 1st Ave. from Bway. to Grand Ave., 8th Ave., from Graham to Jamaica Aves., 1st Ward, sheet asphalt block pavement with sheet asphalt by heater method and repaving where necessary with concrete foundation; regulating, grading and laying sidewalks where necessary in Arcadia Ave. from 14th to 16th Aves.; regulating, grading, curbing and laying sidewalks in Ely Ave. from Jane St. to Harris Ave., preliminary pavement of old granite block on sand foundation; curbing and laying sidewalks in Howland St. from Wolcott to Ditmars Aves., 1st Ward; regulating and paving Cornelia St. from Cypress to Myrtle Aves., permanent granite block on concrete foundation; laying sidewalks in 36th St., from Roosevelt to Polk Aves., 2d Ward; regulating and grading sidewalk spaces and laying sidewalk in 5th St. from Jackson to Stryker Aves., also regulating and grading Jackson and Roosevelt Aves. and westerly sidewalk space between Woodside and Roosevelt Aves., curbing where necessary Jackson to Roosevelt Aves., laying sidewalk space from Woodside to Roosevelt Aves.

N. Y., Long Island City—Until Sept. 9, by M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., 68 Hunterspoint Ave., regulating, grading and paving with preliminary pavement of rein.-con., constructing ramps, culverts, drains, etc., in Rockaway Blvd., from New York Ave. to Nassau Co. line.

N. Y., New York—Until Sept. 7, by H. Bruckner, pres. Bronx Boro, Municipal Bldg., Crotona Park, Tremont and 3rd Axes., Bronx, regulating, grading, setting curb, laying sidewalks and crosswalks, building inlets, receiving basins, drains, culverts, approaches and guard rails where necessary in Ford St. from Webster to Tiebout Aves.

N. J., Sparta—Until Sept. 13, by Township grading Sparta-Woodport Rd., Sussex Co. H. Snook, engr.; advertised in this issue.

Pa., Phila.—Until Sept. 9, by F. H. Caven, dir. pub. wks., grading and paving various streets, with asphalt, and repaving with redressed granite block. F. C. Dunlap, ch. Bureau of Highways.

D. C., Wash.—Until Sept. 12, by Dist. Comrs., 509 Dist. Bldg., paving and resurfacing various streets and avenues, sheet asphalt. For further information address Chief Clerk, Engineer Dept., Room 427, Dist. Bldg.; advertised in this issue.

Virginia—Until Sept. 8, by Asst. Highway Comn., 116 South 3rd St., Richmond, improving 6.5 mi. Project 130, State Rd. 21, between Greenwich and Milford Mills, Prince William Co., 3.48 mi. Project 120, State Rd. 16, from New Market, East, Shenandoah Co., water bound macadam, with alternate bids on bituminous macadam; 3.85 mi. Project 76A, State Rd. 10, from Farmville westward, Prince Edward Co., concrete base with penetration macadam top; 8.26 mi. Project 133, Sate Rd. 12, Patrick Co., soil; steel bridge over Chestnut Creek, Project 90, Franklin Co. C. E. Bolling, highway engr.

W. Va., Weston—Until Sept. 6, by Lewis grading 11 mi., involving 93,000 cu.yd. excav.

North Carolina—Until Sept. 10, by State Highway Comn., at div. office Charlotte, clearing, grubbing, grading, draining and paving 7.88 mi. State Project 587 A, Iredell Co., involving 3 acres clearing and grubbing, 29,300 cu.yd. common and 400 cu.yd. rock excav., 850 ft. 12-24 in. terra cotta or concrete pipe, 75 cu.yd. Class B concrete, 83,210 sq.yd. concrete on asphaltic paving, about $260,000; draining, grading and paving 3.02 mi. State Project 630 A, Gaston Co., involving 12,000 cu.yd. common and 700 cu.yd. rock excav., 176 ft. 15 in. terra cotta or concrete pipe, 76 cu.yd. rubble masonry, 31,570 sq.yd. concrete or asphaltic pavement, $100,000. C. M. Upham, Raleigh, state highway engr.

La., New Orleans—Until Sept. 20, by R. M. Murphy, comr. pub. finances, paving sections of 17 streets, involving 104,593 sq. yd. bituminous concrete, bithulithic, refined Trinidad Lake asphalt, sheet asphalt, creosoted wood block, Kentucky rock asphalt, Uvalde rock asphalt or asphalt blocks, 964 sq.yd. concreting clay gravel, chert or bituminous macadam. Noted July 7.

La., New Orleans—Until Sept. 27, by R. M. Murphy, comr. pub. finances, paving Audubon Blvd. from Clairborne to Poplar Sts., Upperline St. from St. Charles Ave. to Daneel St., Poydras St. from Baronne to South Rampart Sts., Chestnut St. from St. Andrew St. to Jackson Ave., Baronne St. from Melompene to Philip Sts. Terpsichore St. from Prytania to Franklin Sts., Dumaine St. from Bayou St. John to North Alexander St., Penn St. from Perdido to Poydras Sts., Carondelet St. from Philip St. to Napoleon Ave., involving 49,370 sq.yd. bituminous concrete, bithulithic, refined Trinidad Lake asphalt, sheet asphalt, creosoted wood block, Kentucky rock asphalt, Uvalde rock asphalt, or asphalt blocks; Magnolia St., from Erato St. to Jackson Ave., Erato St. from South Front to Tchoupitoulas Sts., and Girod St. from South Peters to Magazine Sts., 7,314 sq.yd. small granite block, creosoted wood block or vitr. brick; Law St. from Lafayette Ave. to line of Metropolitan property, Elmira St. from St. Claude Ave. to Florida Walk, 15,500 sq.yd. concreting clay gravel, chert or bituminous macadam.

Mich., Kalamazoo—Until Sept. 15, by Bd. Rd. Comrs. Kalamazoo Co., building highway from here to West Lake, L. J. Wykkel, co. road engr.; advertised in this issue.

Ia., Le Mars—Until Sept. 8, by Auditor Plymouth Co., grading and draining 20 mi. Akron-Le Mars Rd., Sect. A, Federal Aid Project 38, and Primary Rd. Project 39, involving 259,178 cu.yd. excav., 5.146 mi. Wren-Junction-Merrill Rd., 101,900 cu. yd. excav. Iowa Highway Comn., at div. office, Ames, engr.

Kan., Hiawatha—Until Sept. 6, by Brown Co., grading and surfacing 6.801 mi. Sect. A, Federal Aid Project 88, 18 ft. wide, bituminous macadam. About $60,000. S. K. McCrary, Hiawatha, engr.

Kan., Hutchinson—Until Sept. 6, by C. Stewart, clk. Reno Co., grading and paving roads near here, concrete. About $30,000. G. L. McLane, Hutchinson, engr.

Kan., Junction City—Until Sept. 16, by Bd. Comrs. Geary Co. paving 0.657 mi. section of East 6th St. from Missouri, Kansas and Texas R.R. tracks to city limits, involving 2,931 cu.yd. earth excav., 6,934 sq.yd. concrete. About $25,000. P. G. Martin, Junction City, engr.

Neb., Nelson — Until Sept. 15, by city clk., grading, paving, curbing and guttering, various streets, involving 16,908 yd. concrete paving, 10,770 ft. concrete curb and gutter, 5,800 cu.yd. excav., etc. About $63,000. Black & Veatch, Mutual Bldg., Kansas City, Mo., engrs.

Mont., Great Falls—Until Sept. 5, by City Council, guttering and paving Second Ave., N., from 19th to 26th St., involving 1,657 cu.yd. excav., 1,798 sq.yd. concrete curb, 11,492 sq.yd. concrete or gravel bitulithic, on concrete base. Alternate bids on concrete and gravel bitulithic desired. About $50,000. M. L. Morris, city engr.

Missouri—Until Sept. 9, by State Highway Dept., Unionville, paving 5.44 mi. State Rd. from Unionville westward. State Aid Project 20.49 Putman Co. involving 32,745 cu.yd. earth excav., 1,776 cu.yd. borrow, 31.5 cu.yd. Class B and 69.3 cu.yd. Class C concrete masonry etc. About $25,000. Noted Aug. 4.

Colorado—Until Sept. 6, by State Highway Dept., Denver, paving 2½ mi. road southwest of Sterling on Lincoln Highway, concrete, Logan Co., involving 3,550 cu.yd. earth excav., cost $89,443; grading and draining 5.5218 mi. Turkey Creek-Canon Rd. between Morrison and Conifer, Federal Aid 136, Jefferson Co., involving 28,765 cu.yd. earth and 3,550 cu.yd. rock excav., cost $57,991. L. D. Blauvelt, State Museum Bldg., Denver, engr.

Cal., Fresno—Until Sept. 6, by Bd. Suprvs. Fresno Co., paving with bitulithic, topeka, asphalt or concrete pavement on concrete base, Highway on Route 11 Sect. B, involving 858,380 sq.ft. paving, 16,270 cu.yd. earth excav.; Highway on Route 7, Sect. A, involving 420,320 sq.ft. paving, 6,580 cu.yd. earth excav.; Highway on Route 18, Sect. A, involving 665,050 sq.ft. paving 12,050 cu.yd. earth excav. C. Jensen, Fresno, co. surveyor.

Cal., Los Angeles—Until Sept. 6, by Bd. Pub. Wks., paving, curbing and laying sidewalks on Norton Ave., involving 225,000 sq.ft. 6 in. concrete.

PRICES AND CONTRACTS AWARDED

(★Indicates contract awarded)

★**Maine**—State Highway Dept., Augusta, let contract paving 3.64 mi. Highway "G" in Belgrade, Project 23, Contr. B and 4.93 mi. Highway project 23, Contr. "A," bituminous macadam, to J. Arborio, 82 Church St., New Haven $100,403 and $115,804 respectively; 4.06 mi. highway "H" in Anson, gravel, to R. H. Newell Co., Uxbridge, Mass., $36,606.

★**N. H., Nashua**—State Highway Dept., Concord, let contract paving 24,000 sq.yd., Maple, Shosta, Hayward and Willow Aves., bituminous macadam, to Winslow & Cummings, Nashua, $34,560.

★**Massachusetts**—State Highway Comn., Boston let contract paving 6,780 ft. bituminous macadam, 18 ft. wide, in Lynfield, to Hanscom Contr. Co., 70 Kilby St., $45,941; 11,000 ft. in Holden, to G. E. Greenough, South Acton, $52,330. Noted Aug. 25.

★**Mass., Pittsfield**—City let contract paving section of Fenn St., with concrete and Maplewood Ave., vit. brick, to Mallory & Niggard, Springdale Ave., $14,246 and $17,339 respectively; section of Francis Ave., concrete to D. J. Walsh, 107 Fenn St., $4,671. Noted Aug. 25.

★**Conn., Hartford**—City let contract paving section of Washington St., sheet asphalt to E. Balf Co., 26 State St., $47,128.

★**Conn., New Haven**—Bureau of Eng., let contract paving sections of East and Bridge Sts., 1:2:4 batch concrete, to National Concrete Co., 902 Chapel St., $11,190; Munson, Canal and Locke Sts., Edgwood Ave., asphalt to C. W. Blakeslee & Sons, 58 Waverly St. $15,249. Noted Aug. 4.

★**New York**—H. S. Sisson, comr. State Highway Dept., 55 Lancaster St., Capitol, Albany, let contract improving 3.37 mi Lotta Rd., from Manitou Beach Rd., Rep. Contr. 3007, Monroe Co., to T. E. Murray, LeRoy, $75,219. Noted Aug. 25.

New York—H. S. Sisson, comr. State Highway Dept., 55 Lancaster St., Capitol, Albany, opened bids Aug. 26, improving (1) 0.46 mi. Riverside Drive, Binghamton, Highway 5377A, Broome Co., (2) 2.61 mi. Cincinnatus Lake Long Pond, Highway 807A, Cortland and Chenango Counties, (3) 2.91 mi. Livingston-Dansville-Conesus, Part 1, Highway 1574, Livingston Co., (4) 6.99 mi. Palmyra-Newark, Highway 8072, Ontario and Wayne Counties, reconstructing (5) 1.26 mi. Rd. 5237, Rep. Contr. 1333, Albany Co., (6) 3.53 mi. Rd. 193, Rep. Contr. 3004, Albany Co., (7) 1.63 mi. Rd. 874, Rep. Contr. 3005, Hamilton Co., (8) 4.87 mi. Rd. 428, Rep. Contr. 3006, Jefferson Co., (9) 4.39 mi. Rd. 494, Rep. Contr. 3011, Monroe Co., (10) 4.55 mi. Rd. 564, 5521 and 5558, Rep. Contr. 3019, Oneida Co., (11) 2 mi. Rd. 5252, Rep. Contr. 1320, Ontario Co., (12) 1.1 mi. Rd. 5084, Rep. Contr. 3003, Rensselaer Co., (13) 6.47 mi. Rds. 1104 and 1200, Rep. Contr. 3009, Steuben Co., (14) 2.29 mi. Rd. 1018, Rep. Contr. 3001, Suffolk Co., (15) 1.76 mi. Rds. 5001 and 5114, Rep. Contr. 3008, Ulster Co., (16) 1.28 mi. Rd. 148, Rep. Contr. 3013, Westchester Co., (17) 2.65 mi. Rds. 854 and 892, Rep. Contr. 3016, Wyoming Co., from A. Yesu, Binghamton, (1) $14,281. Tyne & Willey, Binghamton, (1) $15,408. Stento & Serafini, Binghamton (1) $15,705. Lane Constr. Co., 37 Colony St., Meriden, Conn., (2) $78,336. J. F. Stabell Co., 1140 Niagara St., Buffalo, (2) $78,645. H. A. Schaupp, Albany, (2) $80,392. Lathrop, Shea & Henwood Co., 428 Ellicott Sq., Buffalo, (3) $140,646. H. W. Roberts Co., 610 Lansing St., Utica, (3) $141,434. Smith Bros., Inc., Watertown, (1) $142,911. (8) $140,869. J. H. Corbett, Jr., Baldwinsville, (4) $203,272 and $209,342. (11) $33,547. Pathfinder Constr. Co., Inc., Fulton, (4) $210,717. Chambers & Barnes, Rochester, (4) $220,682. Municipal Constr. Co., Utica, (5) $23,198. Willite Road Constr. Co., 51 Chambers St., New York City, (5) $26,744. W. P. McDonald Constr. Co., New York City, (5) $29,228. J. P. Dugan & Co., Inc., Amsterdam, (6) $106,536, (12) $38,558. P. H. Murray, Troy, (6) $107,135. L. D. Sullivan, Utica, (6) $108,286. P. Morford, Fultonville, (7) $26,680. W. J. Semper, Watertown, (8) $141,666. Dale Eng. Co., Mann Bldg., Utica, (8) $142,919, (10) $137,784, (11) $28,901, (13) $101,951, (17) $55,975. W. E. Kinney & Co., Rochester, (9) $77,387. A. A. Howard, Fairport, (9) $79,099; (13) $106,461. J. M. Murray, LeRoy, (9) $80,859, (17) $52,434. A. L. Carey, Rome, (10) $139,753. J. B. Fazio, Oneida, (10) $145,025. G. B. Dickison, Union Bldg., Syracuse, (11) $27,123. D. S. McGrath, Inc., Adams, Mass., (12) $37,244. J. E. Flood, Hudson Falls, (12) $37,647, (15) $58,619. F. W. and J. J. Cronch, Rochester, (13) $105,862. R. W.

Streets and Roads (Continued)

S. Corp., New York City, (14) $28,143. E. M. Underhill & Son, Glen Cove, (14) $29,449. L. Mayershon, Albany, (14) $29,586. A. C. Kleisch Co., Haverstraw, (15) $54,941. Spoor-Lasher Co., Inc., 56 Market St., Poughkeepsie, (15) $57,919. Fleming, OBrien & McEntegart, Inc., New York City, (16) $43,904. F. G. Fowler Constr. Co., 77 Carpenter St., Mt. Kisco, (16) $45,700. J. Dimando, Inc., 382 Mamaroneck Ave., Mamaroneck, (16) $42,234. Hendrickson-McCabe Constr. Co., Inc., Syracuse, (17) $57,944. Noted Aug. 18.

★**N. Y., Long Island City**—M. E. Connolly, pres. Queens Boro, let contract regulating and paving Clermont Ave. also regulating and grading Marion St., to Borough Asphalt Paving Co., 1301 Metropolitan Ave., Brooklyn, $14,902 and $11,591 respectively; 88th (Maple) Ave. and McPherson St., to Cleveland Trinidad Paving Co., Flushing, $9,190 and $5,934 respectively; Manly St., to Kennedy & Smith, Amity St., Flushing, $14,750; regulating and grading Gale St. and Gates Ave., to Welsh Bros., 32 Queens St., $6,151 and $1,995 respectively; Edson St., 93rd and Payntar Aves., to P. J. Clancy, 460 Lockwood Ave., Astoria, $4,365, $5,381 and $9,625 respectively; Linden St., to C. Ranier, $2,281; Hall Ave., to Casalino Contg. Co., 207 North 7th St., Brooklyn, $1,857; 88th (Maple) Ave., to H. E. Kordes Co., 2577 Cooper St., Brooklyn, $3,120. Noted Aug. 18.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Hunterspoint Ave., opened bids Aug. 24, regulating, grading and paving (1) Rockaway Blvd. from Conduit to New York Ave., 4th Ward, (2) Rockaway Blvd. from New York Ave. to Nassau Co. line, preliminary rein.-con., from Kennedy & Smith, 93 Amity St., Flushing, (1) $60,814; E. B. Simpson, Hempstead Turnpike, Hollis, (1) $63,478; Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, (1) $71,815, (2) $299,947. Noted Aug. 18.

★**N. Y., New York**—H. Bruckner, pres. Bronx Boro, let contract paving Findlay Ave., etc., to Uvalde Asphalt Paving Co., 1 Bway., $5,590; East 170th St. to Asphalt Constr. Co., 2197 Madison Ave., $28,512; East 171st St., to Leonard Paving Co., 23 Bway., $7,635; East 156th St., to I. F. Cavaluzzo, 1538 Walton Ave., $5,890; East 149th St., to P. J. Kearns Contg. Co., 2306 Creston Ave., $12,747; Spencer Ave. to Spadaro Contg Co., 827 East 217th St., $11,162; regulating and grading, etc. West 188th St., to Testa Eng. & Contg. Co., $2,034; building sewers in Pelham Parkway North and White Plains Ave., to Anita Constr. Co., 2957 Marion Ave., $53,838 and $3,125 respectively; Osborn Pl., to Estates Contg. Co., $8,790. Noted Aug. 25.

N. Y., New York—H. H. Curran, pres. Manhattan Boro., Municipal Bldg., opened bids Aug. 24, widening and paving (1) 32nd St., etc.; widening, regulating and paving (2) 33rd St., etc., sheet asphalt; regulating and curbing, etc., West 225th (Muscoota) St. from Bway. to Boro line, from Regan Towers Co., 127 West 121st St., (1) $12,677, (2) $12,440; Interboro Asphalt Co., (1) $13,559, (2) $13,331; Sicilian Asphalt Paving Co. 41 Park Row, (1) $14,708, (2) $12,889; Burnside Contg. Co., 270 Burnside Ave., (3) $30,868; C. D. Beckwith Inc., 301 West 108th St., (3) $31,922; Uvalde Asphale Paving Co., 1 Bway., (3) $34,052. Noted Aug. 18.

N. Y., S. I. St. George—C. D. Van Name, pres. Richmond Boro, Boro Hall, opened bids Aug. 24, repaving Richmond Rd., etc., granite block on concrete foundation, from Sax & Leedecke, 114 East 52d St., New York City, $69,116; J. Johnson Sons, West New Brighton, $70,149; C. Vanderbilt, $70,650. Noted Aug. 18.

N. J., Jersey City—H. K. Mauchet, acting city clk., received bids paving (1) Halladay St. between Johnson Ave. and Newark & New York Ry., sheet asphalt on stone block foundation, (2) Wade St. between Ocean and Jackson Aves., sheet asphalt on concrete foundation, from W. T. S. Critchfield, 14th St., Hoboken, (1) 93⅓% of engineer's estimate ($29,615); Willite Rd. Constr. Co., 51 Chambers St., New York City, (1) 98⅓%, (2) $38,190; Uvalde Constr. Co., 1 Bway., New York City, (1) 107%.

N. J., Weehawken—Joint Comn. of Weehawken and West Hoboken Twps. received bids paving 10 blocks of Palisade Ave. from Hackensack Plank Rd. to Weekawken St., with bituminous macadam, from W. T. S. Critchfield, 14th St., Hoboken, $82,813; Clinton Contg. Co., 306 Charles St., West Hoboken, $88,147. Noted Aug. 18.

Pa., Phila.—City received bids paving sections of (1) Birch, F, Hancock, Rutledge, Stella and 8th Sts., (2) Bancroft, Carlisle, Christian, Hicks, Mole, Pierce, Rosewood, Watkins Sts., (3) Roosevelt Blvd., Bensalem branch, (4) Fernon, Greenwich, Mountain, Siegel, Watkins, Winton and Wolf, (5) Park Ave., 5th and Greene Sts., (6) Chester Ave., (7) Prentice St., (8) Moyamensing and Bigler Sts., (9) 6th St., (10) Cobbs Creek Parkway, (11) York Rd., 3rd, 9th, 10th, 13th, 15th, 41st Sts., (12) 65th Ave., Lawnton and 10th Sts., from Union Paving Co., 34th and Spruce Sts., (1) $28,232, (2) $31,071, (3) $161,306, (4) $23,778, (5) $23,036, (6) $107,589, (9) $83,212.

Eastern Paving Co., Colonial Trust Bldg., (1) $30,167, (2) $21,219, (3) $170,464, (4) $25,671, (5) $25,173, (7) $10,613, (8) $19,562.

Barber Asphalt Paving Co., Land Title Bldg., (1) $29,963, (2) $30,907, (3) $169,703, (4) $24,573, (5) $23,877, (6) $107,258, (7) $8,764, (8) $16,054.

Mack Paving Co., Mercetown Lane, (6) $110,673, (7) $10,948, (8) $21,785.

Ryan Constr. Co., Real Estate Bldg., (9) $80,708, (11) $65,872.

F. Buckins, Jr., 4050 Kensington Ave., (9) $83,965.

Fish-Rutherford Co. Inc., Land Title Bldg., (10) $151,837, (11) $64,974.

J. J. McHugh, 1617 Race St., (10) $152,765, (12) $16,872.

A. A. Pastore, Lincoln Bldg., (10) $157,862.

Certoni & Mezzola, Lincoln Bldg., (11) $62,806.

T. Connor, 3329 North 5th St., (12) $13,057.

T. L. Flannigan, 1204 East Montgomery St., (12) $19,725.

Pa., Pittsburgh—City received bids repaving (1) Carson St. W., from Point Bridge to Smithfield St., grading, paving and curbing, (2) Shiras Ave. from Palm Beach to Condace Sts., (3) Saranac Ave. from Liberty to Palm Beach Sts., (4) Mackinaw Ave. from Saranac to Wenzell Aves., from J. H. McQuade & Sons Co., Bakewell Bldg., (1) $38,960; M. O'Herron Co., South 1st and McKean Sts., (1) $44,749; Booth & Flinn, Forbes St., (1) $44,780, (2) $27,191, (3) $45,119, (4) $22,689; Dunn & Ryan, Contg. Co., Standard Life Bldg., (2) $29,405, (3) $49,708, (4) $23,398; T. Cronin Co., South 18th St., (2) $29,898, (3) $51,053, (4) $24,439.

★**W. Va., Charleston**—City let contracts to Southern Eng. Co., Union Trust Bldg., paving, grading and curbing 2,315 lin. ft. Duffy St., Shelton Alley and Columbia Blvd. from Tennessee to Pennsylvania Aves., involving 3,989 sq.yd. asphalt, 2,315 lin. ft. curbing, 2,315 lin. ft. gutter, 1,619 cu.yd. earth excav., cost $28,353; 2,088 lin. ft. Wyoming St. from Colorado to Pennsylvania Aves., Maryland Ave. from Virginia to Roane Sts., 4,281 sq.yd. asphalt, 2,088 lin. ft. curbing, 2,088 lin. ft. gutter, 884 cu.yd. earth excav., $28,468; 12,017 sq.yd. Main St. from Delaware Ave. to Florida St., 12,017 sq.yd. asphalt, 7,137 lin. ft. curbing, 7,137 lin. ft. gutter, 2,183 cu. yd. earth excav., $86,750; 2,253 sq.yd. Columbia Ave. from Virginia Ave. to Charleston St., State St. from Capitol to Summers Sts., 2,253 sq.yd. asphalt, 1,432 lin. ft. curbing, 1,432 lin. ft. gutter, 599 cu. yd. earth excav., $27,904; 2,104 lin. ft. Glenwood Ave. from 6th to West 2nd Sts., 3,521 sq.yd. asphalt, 2,104 lin. ft. curbing, 2,104 lin. ft. gutter, 1,163 cu.yd. earth excav., $25,085; 2,855 lin. ft. Columbia Blvd., Florida and Roane Sts., from Monongalia St. to Pennsylvania Ave., 4,825 sq.yd. asphalt, 2,855 lin. ft. curbing, 2,855 lin. ft. gutter, 1,974 cu.yd. earth excav., $34,560. Noted July 28.

North Carolina—State Highway Dept., at div. office, Elkin, received bids grading, draining and surfacing 3.14 mi. State Project 527, Ashe Co., from Catawba Constr. Co., Hickory, $117,613, Pittman Constr. Co., Rhodes Bldg., Atlanta, Ga., $118,064, Davis Constr. Co., Macon, Ga., $129,007; 14.86 mi. State Project 542, Stokes Co., from J. F. Mulligan Constr. Co., North Wilkesboro, $65,190, J. T. Plott, Greensboro, $72,375, W. E. Graham, Salisbury, $77,459. Noted Aug. 11.

North Carolina—State Highway Dept., at div. office, Marion, received bids grading, draining and surfacing 4.97 mi. State Project 505, Mitchell Co., from Fiske-Carter Constr. Co., Greenville, $120,488, Gibson Constr. Co., Knoxville, Tenn., $122,264, Teh Luck Co., Sylva, $124,584; 6.55 mi. State Project 547, Rutherford Co., from Michanx Constr. Co., Albemarle, $30,911, Geer & Wilson, Rutherfordton, $31,960, H. A. Wells Constr. Co., Asheville, $38,890; 7.2 mi. State Project 571, McDowell Co., from J. W. Stepp, Rome, Ga., $33,498, Michanx Constr. Co., Albemarle, $36,622, J. T. Plott, Greensboro, $37,303; 10 mi. State Project 572, McDowell Co., from L. J. Smith Constr. Co., Charlotte, $148,057, J. A. Kreis & Co., Holston Bank Bldg., Knoxville, Tenn., $164,380, J. T. Plott, Greensboro, $168,690. Noted Aug. 11.

★**Louisiana**—State Highway Dept., New Orleans, let contracts to Carr Constr. Co., Shreveport, building 5 mi. Sect. "A", Leesville-Many Highway, $31,359; 5 mi. Sect. "A", Leesville-Alexandria Highway, $39,339; 5 mi. Sect. "A", Leesville-De Ridder Highway, $31,441; 5 mi. Sect. "A," Leesville-Texas Highway, $44,219. Noted Aug. 4.

★**Tenn., Johnson**—City let contract paving 40,000 various streets, asphaltic concrete, using Lake asphalt, to Municipal Paving Co., Johnson City, $120,000. Noted July 14.

★**Kentucky**—State Highway Comn., Old Capitol Bldg., Frankfort, let contract shaping, draining and surfacing 9.6 mi. Winchester-Mt. Sterling Rd., Sta. 0 plus 00 to Sta. 506 plus 52.8, Clark Co., to S. M. Billiter, 407 Mer. Lib. Bldg., Covington, $352,899; 4.5 mi. Louisville-Bardstown Rd. Sta. 238 plus 00 to Sta. 474 plus 00, Jefferson Co., to Louisville Asphalt Co., Floyd & Lee Sts., Louisville, $161,582; 7 mi. Richmond-Lexington Rd. Sta. 0 plus 00 to Sta. 368 plus 60, Madison Co., to G. T. Miller, Lebanon, Ind., $243,287. Noted Aug. 11.

★**O., Bexley** (Columbus, P. O.)—City let contract grading, draining, curbing and paving 2,500 ft. Dawson Ave. and 3,000 ft. Euclaire Ave., to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $43,083 and $47,718 respectively. Former contracts rescinded. Noted June 9.

★**O., Garfield Heights** (Cleveland P. O.)—Village let contract paving Thornhurst Ave., to Cleveland Trinidad Paving Co., The Arcade, Cleveland, $17,010; Warner Rd., to Enterprise Paving & Constr. Co., 8444 Bway., Cleveland, $9,748. Noted Aug. 25.

★**Mich., Bad Axe**—State Highway Dept. at office Bd. Rd. Comrs. Huron Co., let contract grading, draining and surfacing 0.994 mi. State Trunk Line Rd. 31-7, to Huron Co. Rd. Comn., Bad Axe, $32,668. Noted Aug. 18.

★**Mich., Baldwin**—State Highway Dept. at office Bd. Rd. Comrs. Lake Co. let contract grading, draining and surfacing 5.063 mi. State Trunk, Line Rd. 63-3, to Bowler & Sutton, Clare, $29,339. Noted Aug. 11.

Mich., Centerville—State Highway Dept., at office Bd. Rd. Comrs. St. Joseph Co., let contract grading, draining and surfacing 1.031 mi. State Trunk Line Rd. 13-10, Sect. B, involving 5,035 cu. yd. excav., 11,951 sq.yd. concrete, to W. H. Frieduckt Co., Bronson, $32,005.

Mich., Detroit—City received bids surfacing (1) Palmer Ave. from St. Aubin to Russel Sts., (2) Superior St. from St. Aubin to Chene Sts., (3) Hale St. from St. Aubin to Jos. Campau Sts., (4) 12th St. from Davison to Fenkell Sts., from Detroit Asphalt Paving Co., 20 McGraw Bldg., (1) $9,150, (2) $5,124, (3) $9,150, (4) $22,440; Cleveland Trinidad Paving Co., 402 Hammond Bldg., (1) $9,300, (2) $5,208, (3) $9,300, (4) $21,960.

★**Mich., Eagle River**—State Highway Dept. at office Bd. Rd. Comrs. Keeweenaw Co., let contract grading, draining and surfacing 4.635 mi. State Trunk Line Rd. 15-8, to Keweenaw Co. Rd. Comrs., Eagle River. Work involves 42,991 cu.yd. rock excav., $2.75, 78.4 cu.yd. 1:2:4 concrete, $16, 198.6 cu.yd. 1:3:6 concrete, $14, 43,525 sq.yd. base course macadam, $0.70, total cost $60,857. Noted Aug. 11.

★**Mich., Ionia**—State Highway Dept. at office Bd. Rd. Comrs. Ionia Co., let contract grading, draining and surfacing 1.251 mi. State Trunk Line Rd. 66-3, to Marsman & Green, St. Joseph, $38,703. Noted Aug. 18.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, received bids Aug. 23, paving (1) 2.99 mi. Route 2, Sect. 1, Jackson Co., (2) 5.99 mi. Route 2, Sect. 7, Perry-Washington Co., (3) 5.14 mi., Route 2, Sect. 8, Washington Co., (4) 11.13 mi., Route 2, Comb. A, Perry-Washington Co., (5) 4.18 mi., Route 3, Sect. 53, Greene Co., (6) 7.68 mi., Route 3, Sect. 6, Cass Co., (7) 6.71 mi., Route 4, Sect. 3, Will Co., (8) 7.86 mi., Route 4, Sect. 15, McLean Co., (9) 6.16 mi. Route 5, Sect. 17, Winnebago-Stephenson Co., (10) 4.49 mi., Route 5, Sect. 18, Stephenson Co., (11) 10.59 mi., Route 5, Comb. B, Winnebago-Stephenson Co., (12) 3.04 mi. Route 5, Sect. 3, Cook Co., (13) 3.96 mi., Route 5, Sect. 4, Du Page Co., (14) 5.16 mi., Route 5, Sect. 5, Du Page Co., (15) 12.16 mi., Route 5, Comb. C, Cook-Du Page Co., (16) 3.89 mi., Route 5,

Streets and Roads (Continued)

Sect. 6, Du Page Co., (17) 2.37 mi., Route 5, Comb. 6-A, Cook Co., (18) 2.61 mi., Route 5, Sect. 7, Cook Co., (19) 8.87 mi., Route 5, Comb. D, Du Page-Cook Co., (20) 21.03 mi. Route 5, Comb. E, Cook-Du Page Co., (21) 6.78 mi. Route 10, Sect. 10, Pratt-Macon Co., (22) 5.81 mi. Route 13, Sect. 1, Williamson Co., (23) 4.99 mi. Route 13, Sect. 5, Jackson-Williamson Co., (24) 10.8 mi., Route 13, Comb. F, Jackson-Williamson Co., (25) 3.64 mi., Route 15, Sect. 2, St. Clair Co., (26) 4.83 mi., Route 15, Sect. 3, St. Clair-Clinton Co., (27) 8.47 mi. Route 15, Comb. G, St. Clair-Clinton Co., (28) 2.16 mi. Route 15, Sect. 8, Washington Co., (29) 5.95 mi., Route 15, Sect. 9, Washington Co., (30) 4.86 mi. Route 15, Sect. 10, Washington Co., (31) 12.91 mi., Route 15, Sect. H, Washington Co., (32) 6.51 mi., Route 18, Sect. 11, Kane-Du Page Co., (33) 6.81 mi., Route 23, Sect. 1, La Salle Co., (34) 3.43 mi., Route 23, Sect. 28, De Kalb Co., (35) 3.89 mi. Routes 23 and 6, Comb. I, La Salle-De Kalb Co., (36) 0.46 mi. Route 6, Sect. 7-A, De Kalb Co., (37) 7.56 mi. Route 25, Sect. 6, Clay Co., (38) 4.36 mi. Route 31, Sect. 7, Brown Co., (39) 1.11 mi. Route 37, Sect. 5, Franklin Co., (40) 1.08 mi. Federal Aid Project 9, Sect. 27, Marshall Co.; grading (41) 1.52 mi. Route 18, Sect. 13-A, Kendall Co., (42) 3.17 mi. Route 18, Sect. 14-A, Kendall Co., (43) 4.69 mi. Route 18, Comb. J, Kendall Co., from

M. Hayes & Son, Janesville, Wis., (1) $88,337.

Madison Constr. Co., Edwardville, (1) $89,457.

Keokuk Quarry & Constr. Co., Keokuk, Ia., (2) $166,963, (3) $153,620, (5) $103,344, (9) $150,272, (10) $100,803, (22) $123,082, (23) $106,933, (25) $94,968, (26) $129,910, (33) $184,767, (38) $108,360.

H. H. Hall Constr. Co., Murphy Bldg., East St. Louis, (2) $169,977, (3) $158,610, (4) $320,000, (22) $154,952. (23) $134,564, (24) $285,000, (31) $410,000.

Hedges Constr. Co., 111 West Washington St., Chicago, (2) $176,280, (3) $159,349, (4) $306,215, (11) $254,727, (15) $312,239, (22) $148,942, (23) $130,095, (24) $256,139, (28) $68,413, (29) $183,301, (30) $148,749, (31) $365,726.

J. O. Heyworth, 606 South Michigan Ave., Chicago, (4) $286,763, (27) $224,366, (28) $72,228, (31) $351,384.

J. Kesl & Son, Edwardsville, (5) $91,773, (25) $90,826.

Edwardsville Constr. Co., Edwardsville, (5) $91,914.

Cameron, Joyce & Co., Keokuk, Ia., (6) $193,057, (27) $227,271, (38) $113,556, (43) $57,624.

W. F. Smith Co., Rensselaer, Ind., (6) $221,766.

C. E. Carsen Co., 155 North Clark St., Chicago, (6) $223,030.

H. K. Rhodes Co., Lincoln, (7) $151,704. (8) $149,649.

Powers-Thompson Constr. Co., Joliet, (7) $156,279, (15) $308,395, (19) $198,346, (20) $506,741, (32) $138,624.

W. A. Jaicks, Chicago, (7) $158,191, (32) $134,249, (34) $78,945, (36) $11,827.

F. Lorenz, Oak Glen, (8) $157,661.

I. D. Lane, Bloomington, (8) $160,504.

C. C. Vanderhoons & Son, Ripon, Wis., (9) $144,503, (10) $101,151, (11) $240,000.

Gund-Graham & Co., Crum & Forster Bldg., Freeport, (9) $162,117, (10) $113,982.

Hart & Page, 110 North Court St., Rockford, (11) $270,434, (35) $91,189, (36) $11,826.

J. Mackler & Co., Chicago Heights, (12) $67,054.

Commonwealth Impvt. Co., 179 West Washington St., (12) $68,516, (13) $101,989, (14) $117,261, (16) $89,244, (17) $52,972, (18) $67,087.

Northwest Constr. Co., Chicago, (12) $68,632.

C. C. Stewart & Co., Chicago, (13) $98,963, (14) $107,795, (16) $84,110.

Federal Paving Co., 133 West Washington St., Chicago, (13) $106,095, (14) 116,886, (16) $89,988, (17) $54,344, (18) $65,546, (20) $480,276.

Chicago Heights Coal Co., Chicago Heights, (15) $276,675, (19) $219,000.

C. E. Gertz & Son, Elgin, (17) $47,106, (18) $57,998.

Bates & Rogers, 37 West Van Buren St., Chicago, (19) $261,409.

R. F. Conway & Co., 133 West Washington St., Chicago, (20) $562,000.

King & Baker, Dudley, (21) $132,222.

C. A. Clarke Co., Clinton, Ind., (21) $134,000.

Bd. Supervrs., Macon Co., Decatur, (21) $142,426.

Wabash Constr. Co., Vincennes, Ind., (24) $294,000.

Frazier-Davis Constr. Co., Arcade Bldg., St. Louis, (25) $96,949, (26) $133,178, (27) $218,000.

W. C. Johnson, 510 South High St., Belleville, (26) $134,439, (28) $68,413, (29) $164,558, (30) $135,941.

Mautz & Oren, Effingham, (29) $168,078, (30) $136,654, (37) $189,459.

Illinois Hydraulic Constr. Co., Elgin, (32) $142,801, (34) $82,712, (35) $96,417.

E. Bens Co., Indianapolis, Ind., (33) $183,850.

W. C. Meneeley, 709 North Clay St., Frankfort, Ind., (33) $187,642.

Milburn Bros., Chicago, (34) $83,102, (35) $94,995, (36) $13,465.

Stressenreuter Bros., 3020 South Halstead St., Chicago, (37) $165,728.

F. B. Ries, Quincy, (38) $135,103.

Shadler Constr. Co., Kankakee, (39) $24,592.

Powell & Ganes Can. Products Co., Collinsville, (40) $32,340.

B. F. Harrison, Poor Farm Rd., Decatur, (41) $5,345, (42) $46,601.

Ame & Warfield, Lincoln, (41) $5,840, (42) $45,931, (43) $51,700.

Ollendorf Constr. Co., Palatine, (41) $7,272, (42) $49,678.

Burns & Olsen, St. Joseph, Mo., (43) $56,000. Noted Aug. 18.

★**Ill., Galesburg**—City let contract paving various streets, brick on concrete base, to Graham-King Constr. Co., 550 South Cedar St. About $81,000. Noted June 16.

★**Ill., Joliet** — City let contract paving streets, asphalt on concrete base, to J. C. McCarthy Co., Joliet. About $66,000. Noted June 9.

★**Ill., Oak Park**—City let contract paving various alleys, vitr. brick on concrete base, to R. R. Anderson & Co., 1833 Park Ave. About $30,000.

Wis., Chippewa Falls—City received bids Aug. 23, rein.-con. paving ¼ mi. Main St. from Canal to Greenville Sts., from A. Larson & Co., 419½ South Barstow St., Eau Claire, at $33,313; Universal Eng. Co., Eau Claire, $33,870. Noted Apr. 14.

★**Wis., Shawano**—City let contract paving streets, concrete, to J. McCarthy Constr. Co., Kaukauma, $53,272. Noted Aug. 11.

★**Ia., Burlington**—City let contract paving Main St., to Pickens Constr. Co., Burlington. About $65,000. Noted June 23.

★**Ia., Osceola**—Clarke Co. let contract grading 12.063 mi., Primary Rd. Project 31, from here, northeast to Warren Co. line, involving 150,049 cu.yd. excav., to Peterson, Shirley & Gunther, 1102 Woodmen of the World Bldg., Omaha, Neb., at $0.22 per cu.yd.

★**Minn., Brainerd**—City let contract grading and paving Front St. from 4th St. S., to 8th St. S., to Riches & Son, 6226 Tower Ave., Superior, Wis., at $26,645 for concrete with crushed rock. Noted Aug. 25.

Minn., Faribault—Rice Co. let contract improving 10 mi. Job 2104, State Rd. 20, 24 ft. wide, to Petrie & Merrill, Anoka, about $52,000. Noted July 21.

★**Minn., St. Paul**—City let contract paving about 12,000 sq.yd., an extra width of 4 ft. (additional to 20 ft. wide paving already awarded) on 4.75 mi. Point Douglas Rd. from Burns Ave. to South city limits, to Hanlon & Okes, 338 Lumber Exch. Bldg., Minneapolis, $39,330. Noted Aug. 18.

★**Kan., Ft. Scott**—Bourbon Co. let contract grading and surfacing with bituminous macadam 7 mi. Federal Aid Project 34, Sect. "A," to J. T. Dalton & Son, Junction City. About $110,000.

Wyo., Kemmerer—City received bids grading, curbing and paving about 8 blocks, North and South Main Sts., Park Ave. and Pine St., warrenite-bitulithic, on 2 or 3 in. concrete base, from Warren Constr. Co., Journal Bldg., Portland, Ore., $70,194; McGuire Constr. Co., Idaho Falls, Idaho, $72,035.

Missouri—State Highway Dept., Bolivar, received bids building 4.94 mi. state rd. from Bolivar, eastward and westward, involving (1) 25,540 cu.yd. earth excav., (2) 3,241 cu.yd. rock excav., (3) 5,129 cu.yd. borrow, (4) 260.4 cu.yd. Class B concrete, (5) 74 cu.yd. Class C concrete, (6) 44.4 cu.yd. cement rubble masonry, from Miller Constr. Co., Springfield, (1) $0.35 per cu.yd., (2) $1.75, (3) $0.35, (4) $22, (5) $25, (6) $10, total cost $24,663; M. E. Gilliox, Monett, (1) $0.375, (2) $2, (3) $0.275, (4) $20, (5) $20, (6) $8, 25,704. Noted Aug. 4.

★**Mo., Carthage**—City let contract surfacing 4th and Garrison Aves., to H. Kost, Joplin. About $25,000. Noted Aug. 18.

★**Mo., Weston**—City let contract surfacing streets to H. Tidd, Hutchinson, Kan. About $150,000. Noted July 28.

★**Okla., Pawhuska** — City let contract grading and paving Dist. 10, to Stanton & Amerman, Wichita, Kan. About $163,000.

★**Okla., Sand Springs**—City let contract paving, curbing and guttering McKinley, Garfield, Main, 7th, Bway. and Cleveland Sts., in Dists. 3 and 4, to Green Constr. Co., Oklahoma City, $178,779. Noted June 30.

★**Col., Denver**—City let contract grading, curbing and draining 7 blocks Bway. Paving Dist. 5, 60 ft. wide to C. C. Madsen, Denver Athletic Club, $85,715.

★**Wash., Tacoma**—City let contract paving 6,400 ft. East 34th and McKinley Aves., 24 ft. wide, concrete, to J. Warter, Sr., Tacoma, $77,750. Noted Aug. 4.

★**Cal., Los Angeles** — City let contract paving Santa Monica Blvd. from La Brea to Fairfax Aves., to E. L. Garrettson, 1216 2d St., Santa Monica, $48,679. Noted Aug. 18.

★**Ont., Niagara Falls**—City let contract building 16,000 sq.yd. Willite asphalt pavement, to Johnston Bros., 43 Market St., Brantford, at $2.20 per sq.yd., total cost $35,200.

★**B. C., Cranbrook**—Dept. Pub. Wks., Victoria, will clear, grub and grade 4 mi. Moyie Rd., here. About $35,000. Work will be done by day labor. A. McKenzie, dist. engr.

Industrial Works

PROPOSED WORK

N. Y., Buffalo—Duffy Silk Co., 1260 Bway., having plans prepared by Esenwein & Johnson, archts., Ellicott Sq., for 3 story, 60 x 175 ft., silk mill. Cost to exceed $50,000.

N. Y., Buffalo—Danahy Packing Co., 25 Metcalfe St., had plans prepared by H. Brown, archt., 28 Glenwood Ave., for 4 story, 60 x 67 ft. cooler building, concrete, brick and steel, on Metcalfe St. About $45,000.

N. Y. Long Island City—R. Hellman, Inc. 501 Steinway Ave., Astoria, having preliminary plans prepared by J. K. Turton Co., Inc. archts. and engrs., 101 Park Ave., New York City, for 100 x 125 ft., brick, steel and concrete factory, rein.-con. flooring, concrete foundation, at 602 Jackson Ave., here. About $150,000.

N. Y., New York—Soan & Moeller, c/o Magnuson & Kleinert, archts. and engrs., 52 Vanderbilt Ave., soon receive bids building 2 story, 100 x 125 ft., brick, steel and concrete garage, rein.-con. flooring, concrete foundation, at 327 East 64th St. About $60,000.

Pa., Phila.—W. Steele & Sons, 17th and Arch Sts., soon receives bids building 3 story, concrete brick and steel factory, rein.-con. flooring, concrete foundation on Kensington Ave. and M St. for H. Bunton & Co., 213 Race St. About $80,000.

Pa., Wilkes Barre—M. F. Fadden & Sons, Inc., Wyoming Ave., receives bids about Oct. 8, building 2 story, 60 x 90 ft. ice cream plant, brick and steel, rein.-con. flooring, on Wyoming Ave. and along tracks of Lehigh Valley R.R. McCormick Co., Century Bldg., Pittsburgh, engrs. and archts.

Ill., Chicago—Cuneo-Henneberry Co., 445 West 22nd St., had plans prepared by A. S. Alschuler, archt., 28 East Jackson Blvd., for 6 story, 100 x 250 ft., brick, rein.-con. and terra cotta, printing plant, on 22nd St. and Cottage Grove Ave. About $500,000. J. F. Cuneo, pres.

Wis., Sauk City—Sauk City Canning Co. having plans prepared by J. Dresen, archt., Sauk City, for 2 story, brick cannery and 1 story main factory building, separate power house and warehouse. Cost between $75,000 and $80,000.

Mo., Clarence—A. Burnett, c/o Clarence Auto Co., having plans prepared by Burgher Bros., archts., Hannibal, Mo., for 1 story, 100 x 140 ft., brick and steel auto repair shop. About $45,000. Noted July 29.

Mo., St. Charles—City retained Benham & Mullergren, consult. engrs., Firestone Bldg., Kansas City, to prepare plans for municipal electric light plant and distribution system. About $200,00.

Utah, Stockmore—Great Basin Power Co., Walker Bank, Salt Lake City, having preliminary plans prepared by H. A. Strauss, engr., Walker Bank, Salt Lake City, for 5 to 10,000 k. w. hydro electric power plant.

Industrial Works (Continued)

BIDS DESIRED

N. J., Ocean City—Until Sept. 6, by Bd. Freeholders Cape May Co., Court House, Cape May, remodeling electrical plant, at 34th St. draw-bridge, here. M. L. Rice, Wildwood, Co. engr.; advertised in this issue.

Pa., Phila.—Until Sept. 5, by L. M. Davis, 1616 Chancelor St., building 2 and 3 story, 60 x 60 ft., concrete, brick and steel garage, concrete foundation, at 1616-1618 Chancelor St. About $75,000. R. Priest, 1627 Sansom St., engr.

Pa., Pittsburgh—Cunningham Sales Co. receiving bids building 2 story, 85 x 100 ft. concrete, brick and steel garage and sales, rein.-con. flooring, on Aspen and Liberty Aves. About $100,000. F. C. Fisher & Co., 419 Olivia Ave., archts.

Pa., Pittsburgh—North Pole Ice Co., Carson St., receiving revised bids building 6 story, 160 x 192 ft., cold storage plant, at 1218 West Carson St. Cost between $500,000 and $600,000. W. Griesser, 222 Meyron Ave., archt. Noted June 3.

Pa., Pittsburgh—A. J. Schmitz, 237 Collins Ave., receiving bids building 8 story, 60 x 110 ft. garage and warehouse, concrete, brick and steel, rein.-con. flooring, on Penn Ave. About $150,000. S. Waller, 154 Nassau St., New York City, archt.

Pa., Pittsburgh—Union Ice Co., North Side, is receiving bids building 2 story, 70 x 163 ft. concrete, brick and steel factory, rein.-con. flooring on Beaver Ave. Cost between $90,000 and $100,000. C. G. Gerber, Park Bldg., archt.

Pa., Scranton—Smith & Clark Co., 516 South Blakely Ave., receiving bids building 3 story, 60 x 100 ft., ice cream plant, brick and steel, rein.-con. flooring, concrete foundation, on Wyomig ad Poplar Sts. McCormick Co., Century Bldg., Pittsburgh, engrs.

Ill., Chicago—C. H. Eckstrom, archt., 5 North La Salle St., receiving bids building 8 story, 99 x 121 ft., rein.-con., top addition to present 4 story printing plant, at 500-10 North Dearborn St., for W. D. Boyce, 508 North Dearborn St. About $400,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★Me., West Pownal—Feeble Minded Comn., Augusta, let contract building 1 story, 45 x 73 ft., steel, brick and concrete, rein.-con. flooring central heating plant, at State School, here, to H. P. Cummings Contg. Co., Fidelity Bldg., Portland. About $70,000. Noted July 28.

★N. H., Concord—Rumford Press let contract building 4 story, 81 x 180 ft., rein.-con. factory, on Ferry St., to Aberthaw Constr. Co., 27 School St., Boston. About $175,000.

★Conn., Suffield—K. Kulle, Suffield, let contract building 1 story, 100 x 210 ft., brick warehouse and plant, rein.-con. flooring, to Zent-Bartlett Co., 43 Ann St., Hartford. Noted Aug. 4.

★Mass., Shirly—State Industrial School let contract building 1 and 2 story, 35 x 140 ft., brick kitchen and laundry, here, to P. D. Armond & Son, Westboro. About $65,000. Noted July 28.

N. J., Secaucus—Bd. Freeholders Hudson Co. let contract building laundry at County Alms House, to H. G. Auf der Heide, 30 18th St., West New York. $45,892.

★Pa., Phila.—C. P. Cochrane & Co., Kensington Ave. and Butler St., let contract building 2 story, 27 x 42 x 47 x 52 ft. brick and steel factory addition, on Kensington Ave. and Butler St., to W. Steele & Sons, 17th and Arch Sts. About $75,000.

★Pa., Phila.—S. W. Evans Co., 4623 St. Paul St., let contract building additions to present factory, to Steele & Sons, 17 and Arch Sts. About $125,000.

★Pa., Phila.—Mayer Baking Co., 60th and Hazel Ave., let contract building 3 story, 125 x 130 ft., brick and steel bakery, rein.-con. flooring, concrete foundation, on Thomas St., to Wark Co., 231 South Broad St. About $140,000.

★Va., Richmond—E. K. Vieter, 1800 Simms Ave., let contract building 2 story, 34 x 82 x 87 ft. tobacco drying factory, rein.-con. at 1800 Simms Ave., to A. H. Collegan, 713 East Franklin St. About $40,000.

★O., Cleveland—Cleveland Society for Blind, 2275 East 55th St., let contract building 2 story, 40 x 80 ft. broom factory, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, to J. Gill & Sons, Citizens Bldg. About $40,000.

O., Columbus—Columbia Forge & Iron Co., West 1st Ave., received bids Aug. 17, building 1 story, 70 x 200 and 1 story, 110 x 120 ft., factory, saw tooth construction, from State Constr. Co., Broad and 5th Sts., at $50,000; D. L. McGrath & Sons, New First Natl. Bank Bldg., $52,000.

★O., Dayton—Cream Fried Cake Co., Columbus, let contract building 1 story, 74 x 100 ft., rein-con. bakery, rein.-con. flooring, rein.-con. foundation, on Troy and Chapel Sts., here, to Central Eng. Co., Troy St. About $45,000.

★Mich., Detroit—G. C. Wetherbee, 4251 Cass Ave., let contract building 2 story, 50 x 150 ft. rein.-con., brick and steel garage, rein.-con. flooring, concrete foundation on 3rd Ave., to G. D. Nutt, 632 Farewell Bldg. About $90,000.

★Ill., Chicago—M. Born & Co., 540 South Wells St., let contract building 12 story, 45 x 120 ft., clothing factory, steel and brick, at 700-710 West Harrison St., to R. F. Wilson & Co., 1851 Elston Ave. About $750,000. Noted July 14.

★Ill., Chicago—Cuneo-Henneberry Co., 455 East 22nd. St., let contract building 6 story, 100 x 221 ft., rein.-con., brick and terra cotta printing plant, at 2242-54 Cottage Grove Ave., to McLennan Constr. Co., 3105 South Calumet Ave. About $750,000. Noted Aug. 18.

★Wis., Wilwaukee—Jessen Auto Equipment Co., 415 Jackson St., let contract building 2 story, 63 x 63 ft., brick and concrete garage, rein.-con. flooring, plain foundation, on Martin St., to S. Tallmadge, 848 Jackson St. About $40,000. Noted July 21.

★Wis., Tomahawk—Tomahawk Steel & Iron Co., will build 1 story, 100 x 180 ft. structural steel plant, brick, steel and tile. Work will be done by day labor. L. a De Guere, Wisconsin Rapids, engr.

★Kan., Topeka—Topeka Steam Boiler Wks. let contract building 4 story, 50 x 85 ft., brick and steel warehouse, on 2nd and Jefferson Sts., to F. M. Spencer & Son, 215 Mulvance Bldg. About $150,000.

★Neb., Omaha—J. K. Hyde, 1103 Westwood Ave., Columbus, O., let contract building 1 story, 100 x 120 ft., factory and 25 x 40 ft., boiler house, brick and steel, on 36th and I Sts., to J. W. Wakefield & Co., Brandeis Bldg. About $60,000.

★S. D. Sioux Falls—J. Morrell Co. let contract building 3 story, 100 x 140 ft., rein.-con., brick and steel addition to packing plant, to Sioux Falls Constr. Co., Boyce-Greeley Bldg. About $150,000.

★Mo., St. Louis—Midwest Piping Co., c/o A. G. Stoughton, pres., 1452 South 2nd St., let contract building 1 story, 40 x 151 ft., brick and steel factory, at 1452 South 2nd St., to H. O. Hirsch & Co., Wainwright Bldg. About $50,000.

Tex., Amarillo — Chicago, Rock Is'and and Pacific R.R., 139 Van Buren St., Chicago, Ill., let contract building 92 ft. brick and steel roundhouse, here, to J. E. Nelson, 3240 South Michigan St., Chicago, Ill. About $50,000.

★Tex., Dallas—E. G. Knight, 3617 Cedar Springs St., let contract building 5 story, 116 x 153 ft., concrete and steel garage, on Masten and Pacific Sts., to Hughes-O'Rourke Constr. Co., Praetorian Bldg., $141,789. Incorrectly noted July 28.

★Okla., Muskegee—J. H. Schmidt let contract building 1 story battery factory, brick and steel, to Dickman & Nelson, Muskogee. About $55,000.

★Ont., Ottawa—Ottawa Dairy Co., Sommerset St., let contract building 2 story, rein.-con., brick and steel addition to dairy, concrete flooring and foundation, on Cooper St., to A. Garvock, Regent Theatre. About $75,000.

Buildings

PROPOSED WORK

Mass., Hull—Fire and Police Station—Town Bldg. Comn. rejected bids received Aug. 22 building 3 story 52 x 120 ft. and 1 story, 60 x 90 ft., brick and stone, on Atlantic Ave. About $175,000. Plans will be revised and bids readvertised. Noted Aug. 18.

Mass., Quincy (Boston P. O.) — High School—Schoolhouse Comn. having plans prepared by Cram & Ferguson, archts., 15 Beacon St., Boston building 3 story, brick on Coddington St., Woodward Ave. and Huntly Rd., here. About $700,000. Noted March 24.

Conn., New Haven—Store—E. Malley Co., Chapel St., having plans prepared by Starrett & Van Vleck, engrs. and archts., 8 West 40th St., New York City, building brick, steel and stone addition, concrete foundation, on Chapel St. About $450,000.

N. Y., Brooklyn—School—Dept. Educ., 500 Park Ave., New York, had plans prepared by C. B. J. Snyder, archt. and engr., 28th floor, Municipal Bldg., New York, for P. S. 187, brick, steel and stone, concrete foundation, on 65th St. and 12th Ave. About $1,000,000. Noted May 5.

N. Y., Cortland — Institution — Delano & Aldrich and C. H. Higgins, archts., 19 West 44th St., New York City, opens bids about Sept. 15, for group of buildings, brick and stone, brick foundation here, near Croton-on-Hudson, for Valeria Home, 7 East 42d St., New York City. About $1,000,000. Noted Jan. 6.

N. Y., Maspeth—School—Bd. Educ., 500 Park Ave., New York City, having plans prepared by C. B. J. Snyder, archt. and engr., 28th Floor, Municipal Bldg., New York City, for 3 story, brick, steel and stone addition to P. S. 72. About $250,000. Noted May 5.

N. Y., New York—Apartment—V. Gerabone, c/o G. F. Pelham, archt. and engr., 200 West 72nd St., soon receives bids building 5 story, 100 x 100 ft., brick, steel and stone, concrete foundation, at 316 West 89th St. About $250,000.

N. Y., New York—Bank and Office—Sun Printing & Publishing Co. had plans prepared by McKim, Mead & White, archts., 101 Park Ave., for 26 story, 56 x 57 ft., brick, steel and stone, concrete foundation, on Nassau and Franklin Sts. About $600,000.

N. Y., New York—School—Bd. Educ., 500 Park Ave., had plans prepared by C. B. J. Snyder, archt. and engr., 28th floor, Municipal Bldg., for 2 story, brick, steel and stone top addition to P. S. 41, on Olinville Ave. About $350,000.

N. Y., New York—School—Dept. of Educ., 500 Park Ave., having plans prepared by C. B. J. Snyder, archt. and engr., 28th floor, Municipal Bldg., for P. S. 80, brick, steel and stone, concrete foundation, on 121st St. and 1st Ave. About $750,000.

N. Y., New York—School—Bd. Educ., 500 Park Ave., soon receives bids building P. S. 58, 4 story, 90 x 105 ft., brick, steel and stone, concrete foundation, on 176th St. and Washington Ave. About $500,000. C. B. J. Snyder, 28th floor, Municipal Bldg., archt. and engr.

Ill., Chicago—Apartment—A. L. Himelblau, archt., 179 West Washington St., prepared plans and soon receives bids building 3 story, 100 x 100 ft. brick and stone, at 4181 Clarendon Ave., for Weller & Rubenstein, 1108 South Central Park Ave. About $150,000.

Ill., Chicago — Church — Worthman & Steinback, archts., 155 North Clark St., preparing plans and soon receive bids building 1 story, 110 x 125 ft., brick and stone, on Harvard Ave. and 64th St., for English Evangelical Church of the Redeemer, c/o architect. About $150,000.

Ill., Chicago—Home—Cook Co. Comrs. had plans prepared by E. E. Hall, archt., 123 West Madison St., for 3 story 50 x 135 ft., brick, rein.-con. and stone, on Ogden and Roosevelt Aves. About $1,000,000. H. Zender, 519 County Bldg., Comr. Pub. Wks.

N. J., Paterson—School—Bd. Educ. soon lets contract building P. S. 2, brick, steel and stone, concrete foundation, on Mill and Passaic Sts. About $400,000. Lee & Hewitt, 25 West B'way., New York City, archts. and engrs.

N. J., Upper Montclair—(Montclair, P. O.)—Theatre—J. H. Phillips, archt. and engr., 681 5th Ave., New York City, soon lets contract building 2 story, 65 x 150 ft., brick, steel and stone, concrete foundation, on Belleview Ave., here, for Belleview Theatre Corp., c/o architect. About $200,000.

Pa., Barnesboro — High School — School Bd. plans to build Northwestern Cambria Co. High School, 3 story. About $200,000. Cost to be borne by 5 school dists. Address M. S. Bentz, Ebensburg, supt.

Buildings (Continued)

Pa., Philadelphia—Apartment—A. Sonenfeld, 707 Walnut St., having plans prepared by F. E. Hahn, archt., 1112 Chestnut St., for 4 story, 105 x 250 ft., brick and stone, on 47th and Walnut Sts. About $160,000.

Ill., Chicago—Home—C. D. Faulkner, archt., 140 South Dearborn St., prepared plans and soon receives bids building 3 story, 90 x 96 ft., brick, fireproof construction, on 113th St. and South Western Ave., for Oak Haven, Old People's Home, c/o R. A. White, pres., 140 South Dearborn St. About $200,000.

Ill., Chicago—Home and Nursery—Dubin & Eisenberg, archts., 14 West Washington St., soon receives bids building superstructure of 3 story, 96 x 278 ft., rein.-con., brick and stone, on California Ave. and Hirsh Blvd., for Daughters of Zion Infants' Home and Day Nursery, 1441 Wicker Park Ave. About $350,000. Noted June 23.

Ill., Chicago—Office—Holabird & Roche, archts., 104 South Michigan Ave., prepared plans and soon receives bids building 12 story, 120 x 192 ft., white limestone and brick, at 1206-24 North Michigan Ave., for Illinois Life Insurance Co., Otis Bldg. About $500,000.

Ill., Chicago—Synagogue—Congregation Anshe Wilna, c/o H. Berkson, pres., 3708 West Roosevelt Rd., plans to build brick and stone, on Congress St. and South Springfield Ave. About $250,000. Architect not selected.

Ill., Elgin—Temple—Elgin and Monitor Masonic Lodge, c/o E. H. Abbor, Home Bk. Bldg., plans to build 2 story, brick, rein.-con. or steel. About $150,000. Architect not selected.

Ill., Peoria—Hotel and Stores—J. W. Parker, 519 North Monroe St., plans to build 6 story, rein.-con. and brick. About $300,000. Architect not selected.

Ill., Peoria—School and Hall—St. Cecelia's Parish, plans to build 2 story, rein.-con., brick and stone. About $150,000. J. G. Cosgrove, pastor. Architect not selected.

Ill., Taylorville—Temple—Mound Lodge 122, c/o E. Denning, secy., having plans prepared by Liese & Ludwick, archts., Temple Bldg., Danville, for 2 story, rein.-con. and brick. About $150,000.

Ill., Urbana—Hospital—St. Mary's Mercy Hospital, c/o R. Flynn, pastor, 612 East Park Ave., Champaign, having plans prepared by G. Ramey, archt., Roberson Bldg., Champaign, for 3 story, 55 x 110 ft., brick, rein.-con., and steel. About $175,000. Noted Aug. 25.

Wis., Cudahy—High and Grade Schools—School Bd. plans to build 3 story high and 2 story grade school, both rein.-con., and brick, rein.-con. flooring, plain foundation. About $250,000 and $150,000 respectively. F. H. Williamson, pres. Architect not selected.

Wis., East Troy—Novitiate, Church, etc.—Fathers of Divine Word, c/o A. Exkert, pastor, plans to build 2 story, rein.-con., brick and tile, brick foundation. About $150,000. Architect not selected.

Wis., Hillsboro — Church — St. Aloysius Catholic Congregation, c/o Ferdlich, pastor, receives bids about Sept. 10 building 1 story, 86 x 147 ft., rein.-con., steel, brick and tile, brick foundation. About $150,000. J. Paulu, North Francis St., Sta. D, Milwaukee, archt.

Wis., Institute (Sturgeon Bay P. O.)—High and Grade School — Consolidated School Dist. having plans prepared by Juul, Smith & Rynolds, archts., Dempsey Bldg., Manitowoc, for 3 story, 95 x 160 ft., brick and concrete, rein.-con. flooring, plain foundation; also power house. About $150,000. Noted Aug. 11.

Wis., Marathon—School and Dormitory—Capuchin Order, c/o B. Mueller, pastor, 440 Mt. Elliott Ave., Detroit, Mich., having plans prepared by H. T. Liebert, archt. and engr., 47 Mack Blk., Milwaukee, for 2 story, 80 x 162 ft., brick, concrete and structural steel, rein.-con. flooring, plain and stone foundation, at St. Joseph's Convent here. About $150,000.

Wis., Milwaukee — Seminary — Wisconsin Lutheran Synod, 814 Vliet St., voted $500,000 bonds to build seminary. J. Brenner, reverend. Architect not selected.

Wis., Wausau—Hospital—D. L. Plumer Hospital, c/o A. Wodson, McIndoe St., having preliminary plans prepared by Berlin, Swern & Randall, archts., 19 South La Salle St., Chicago, for (1st unit) brick and concrete, rein.-con. flooring, plain foundation. About $200,000. Noted Aug. 4.

Ia., Ames—Library, etc.—State Bd. Educ., Capitol, Des Moines, plans to build library, stone, about $475,000; physics, rein.-con., brick, etc., about $225,000; addition to agricultural engineering building, rein.-con., brick, etc., about $150,000; and several barns, at Iowa State College, here. Total cost about $1,000,000. R. A. Pearson, pres.

Ia., Cedar Rapids — Business—Harper-McIntyre Co., Ottumwa, having plans prepared by Groft & Boerner, archts., Palace Bldg., Minneapolis, Minn., for 3 story, 100 x 140 ft., rein.-con. and brick. About $165,000. W. G. Gray, mgr.

Ia., Chariton—High School—Bd. Educ. plans to build 2 story, brick, stone, rein.-con. or steel. About $185,000. P. Perry, secy. Architect not selected.

Ia., Crawfordville—School—Bd. Educ. plans to build 2 story school. About $150,000. Architect not selected. Bonds recently voted for project.

Ia., Dubuque—Bank and Office—Bankers' Arch. & Eng. Co., archts., 122 South Michigan Blvd., Chicago, preparing plans and soon receive bids for 1 and 2 story, 75 x 100 ft., brick and rein.-con., on 14th and Clay Sts., for N. C. Gindorff, 1306 Clay St. About $200,000. Noted Aug. 11.

Minn., Minneapolis—Stores and Offices—F. W. Greaves, 10 North 5th St., having plans prepared by Beuchner & Orth, archts., 500 Shubert Bldg., St. Paul, for 2 story, 100 x 157 ft., rein.-con., brick and tile, on 4th St. and Hennepin Ave. About $150,000.

S. D., Sioux Falls—College—Diocesan College having plans prepared by E. Lundie, archt., 532 Endicott Bldg., St. Paul, for 3 story, brick and stone. About $175,000. J. O'Gorman, bishop.

Mo., Monett—See "Miscellaneous."

Mo., Rockville—Keystone Products Co. plans to build 2 story, brick and steel factory. About $55,000. L. L. Hall, mgr. Architect not selected.

Mo., St. Joseph — College — Christian Brothers College, c/o Brother Henry, plans to build 3 story, brick, rein.con. and steel, on 12th and Henry Sts. About $180,000. Architect not selected.

Tex., San Antonio — Lodge — Masonic Lodge receives bids about Dec. 1, building 180 x 225 ft., rein.-con. and steel. Cost between $750,000 and $1,000,000. H. M. Greene Co., North Texas Bldg., Dallas, engrs.

Utah, Salt Lake City—Depot—Bamberger & Dien Electric Lines, having plans prepared by Young & Hansen, archts., McCormick Bldg., for interurban depot on South Temple St. About $200,000.

Ont., Windsor—School—Joint Bd. Educ. of Windsor and Walkerville, having plans prepared by D. J. Cameron, archt., Bartlett Bldg., for 3 story, 30 room, rein.-con., brick and steel, rein.-con. flooring, concrete foundation. About $600,000.

BIDS DESIRED

N. Y., Brooklyn—Bath—Until Sept. 7, by E. Riegelmann, boro pres. Boro Hall, constructing public bath at southeast corner of Metropolitan and Bedford Aves.

Pa., Chester—Hospital—Until Sept. 10, by F. F. Durang, archt., 1220 Locust St., Phila., building 4 story, 108 x 112 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on 7th and Butler Sts., for St. James Hospital. About $250,000. Noted Aug. 11.

Pa., McKeesport — Dormitory, Nurses' Home, etc.—McKeesport Hospital receiving bids building 3 and 4 story, 37 x 168 ft. dormitory, 43 x 54 ft. nurses' home and 46 x 52 ft. power house, also garage, concrete, brick and steel, rein.-con. flooring, on 5th Ave. S. F. Heckert, Bessemer Bldg., Pittsburgh, archt.

N. C., Raleigh—Agricultural—Until Sept. 7, by W. C. Riddick, pres. State College of Agriculture & Eng. building 3 story, 61 x 184 ft., rein.-con. and brick, on campus here. About $200,000. Nelson & Copper, Raleigh, archts.

O., Akron—Auditorium and Gymnasium—Until Sept. 9, by Bd. Educ. building 2 story, 70 x 166 ft. and 70 x 120 ft., brick and steel, rein.-con. flooring on Dayton St. About $300,000. M. M. Konarski, High School, engr.

O., Warrensville—School—Until Sept. 22, by Bd. Educ. building 2 story, rein.-con., brick and steel, rein.-con. flooring, brick and concrete foundation, on Center Rd. About $150,000. W. H. Nicklas, 1908 Euclid Ave., Cleveland, archt. Noted Aug. 11.

Mich., Detroit—Police Station and Armory—Until Sept. 8 (change of date), by J. Inches, comr. Police Dept., building 9 story, 117 x 112 ft. station and 3 story, 99 x 168 ft. armory, rein.-con., brick, steel and stone, on St. Antoine St. A. Kahn, 1000, Marquette Bldg., archt. Noted Aug. 18.

Mich., Detroit—School—Until Sept. 7, by Bd. Educ. building 2 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Palmetto and Van Dyke Aves. About $150,000. Malcomson, Higginbotham & Palmer, 405 Moffat Bldg., archts.

Ill., Bloomington—College—Until Sept. 6, by A. L. Pillsbury, archt., Bloomington, constructing library, gymnasium, auditorium and dormitory and school buildings, for Illinois Wesleyan College, c/o T. Kemp, pres. About $700,000. Noted Aug. 11.

Ill., Chicago—Hotel—Minchin & Spitz, archts., 19 West Jackson Blvd., receiving bids building 3 story, 100 x 115 ft., brick, concrete and terra cotto, on Stony Island Ave., and 67th Pl., for A. Goldberg, c/o architect. About $200,000.

Ill., Chicago—Mercantile—P. Gerhardt, archt., 64 West Randolph St., receiving bids building 7 story, 60 x 100 ft., rein.-con. and brick, at 359-61 Ontario St. About $300,000. Owner's name withheld.

Ill., Danville—Armory—Until Sept. 10, by E. D. Martin, archt., 304 South Wabash Ave., Chicago, building 2 story, 160 x 168 ft., rein.-con. and brick, for State, c/o the architect. About $200,000.

Ill., Peoria — Apartment — Until Sept. 6, by Hewitt & Emerson, archts., Peoria Life Bldg., constructing 3 story, 65 x 91 ft., brick, rein.-con. and stone, for J. Szold & Associates, c/o the architect. About $150,000.

Ill., Rockford—Theatre and Apartment—Until Sept. 15, by C. E. Wolfley, archt., Stewart Bldg., constructing 3 story, 85 x 150 ft., brick, stone and steel. About $150,000. Owner's name withheld. Noted June 30.

Ill., Tuscola—High School—Until Sept. 10, by Bd. Educ., c/o G. Fuller, secy., and Liese & Ludwick, archts., Temple Bldg., Danville, for 2 story, 70 x 225 ft., brick, rein.-con. and steel. About $225,000. Noted July 28.

Wis., Blue River—Community—City, c/o T. Taylor, clk., receiving bids building 1 story, 50 x 110 ft., rein.-con., steel and brick, rein.-con. flooring, concrete foundation, on Main St. About $150,000. L. E. Wannemaker, Boscobel, archt.

Wis., Stevens Point—Hotel—Until Sept. 12, by Clas, Shepherd & Clas, archts., 445 Milwaukee St., Milwaukee, building 6 story, 100 x 110 ft., rein.-con. and brick, rein.-con. flooring, plain foundation, for Stevens Point Hotel Co. About $235,000. Noted Jan. 27.

Ia., Des Moines—High School—Until Sept. 7, by Bd. Educ., c/o G. L. Garton, secy., building Lincoln School, 2 story, 240 x 360 ft., rein.-con., brick and stone, South West 9th & Loomis Sts. About $625,000. Proudfoot, Bird & Rawson, Hubbell Bldg., archts.

Ia., Fairfield—Church—Until Sept. 15, by Methodist Church Congregation, c/o C. L. Tennant and G. A. Carpenter, archt., Liggett Bldg., for 3 story, 66 x 132 ft., brick, steel and concrete. About $150,000. Noted Aug. 18.

Wyo., Cheyenne—High School—Until Sept. 26, by City Trustees, in office of W. Dubois, archt., Cheyenne, building 3 story, 100 x 250 ft., school, 28th and Evans Sts. About $365,000.

Tex., Tyler—Hotel—Until Sept. 15, by E. P. McKenna, chn. Bldg. Comn., building 5 story, 100 x 125 ft., rein.-con. About $200,000. C. D. Hill & Co., Sumpter Bldg., Dallas, archts. Noted May 5.

Okla., El Reno—School—Until Sept. 10, by Layton, Smith & Forsyth, archts., 701 Majestic Bldg., Oklahoma City, for 3 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation, for Bd. Educ. About $214,000. Noted Aug. 4.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Boston**—School—School Comn. let contract building 2 story, 79 x 112 ft., brick and stone, on Walnut Ave., to J. Bowen Co., 183 Dudley St. $171,500. Noted Aug. 18.

★**Mass., Gardner**—School—Town School Comn. let contract building 2 story, 100 x 120 ft. brick and steel, on Prospect St., to Churchill Co., 143 Harrison Ave., Boston. About $150,000. Noted Aug. 4.

★**Conn., Stamford**—Theatre—Wurster & Gordon, 243 West End Ave., New York City, let contract building 3 story, brick, concrete and steel, rein.-con. flooring, on Ripporoom Sq., to Jordin Co., Inc., 507 5th Ave., New York City. About $450,000. Noted Aug. 11.

Buildings (Continued)

★**Conn., Thomaston**—High School—School Bd. let contract building 2 story, 80 x 140 ft., brick, concrete and steel, on Main St., to G. S. Chatfield Co., 138 Division St., Waterbury. About $200,000.

★**Conn., Waterbury**—Bank—Leavenworth Co., Leavenworth St., let contract building 2 story, 90 x 105 ft., brick and limestone, rein.-con. flooring, on Leavenworth St. and Kendrick Ave., to Tracy Bros. Co., 52 Benedict St. About $300,000.

★**N. Y., Brooklyn** — Apartment — Dyker Constr. Co., c/o Shampan & Shampan, archts., 50 Court St., will build 4 story, 100 x 100 ft., brick, steel and stone, on 19th Ave. and 81st St. About $175,000. Work will be done by day labor.

★**N. Y., Brooklyn**—Apartments—J. Friedland, c/o S. Millman, archt. and engr., 26 Court St., will build two 4 story, brick, steel and stone, concrete foundations, on Parkside Ave. Total cost $300,000. Work will be done by day labor.

★**N. Y., Brooklyn** — Apartment—Globe Constr. Co., 22 Bay 35th St., will build 4 story, 100 x 100 ft., brick, steel and stone, concrete foundation, on 22nd Ave. and 79th St. About $170,000. Work will be done by day labor. McCarthy & Kelley, 16 Court St., archts. and engrs.

★**N. Y., Brooklyn** — Apartments — W. Small, 215 Montague St., will build 4 brick, steel and stone, concrete foundations. Total cost $800,000. Work will be done by day labor. McCarthy & Kelley, 16 Court St., archts. and engrs.

★**N. Y., Buffalo** — Schools — Bd. Educ., Telephone Bldg., let contracts building (1) elementary school 1, on Porter Ave. and Niagara St., (2) addition to elementary school 60, on Ontario and Saratoga Sts., (3) primary school 21, on Amherst and Parkdale Aves., (4) addition to elementary school 21, on Hertel and Camden Aves., (5) elementary school 9, on Poplar and Doat Sts., (a) general, (b) plumbing, (c) heating and ventilating, (d) electrical work, to Metzger Constr. Co., 676 Genesee St., (1a) $357,080, (3a) $48,017; Power Efficiency Corp., White Bldg., (1b) $19,900, (1c) $77,886, (2b) $18,260, (2c) $93,200, (3c) $16,834, (4b) $10,272, (4c) $59,280, (5b) $20,120, (5c) $77,086; J. Wilson & Sons, 282 Grant St., (3b) $3,950; Sanborn Electric Co., 309 North Illinois St., Indianapolis, Ind., (1d) $10,600, (2d) $16,600, (4d) $6,900, (5d) $10,200; J. W. Cowper Co., Fidelity Bldg., (2a) $342,779; McCarthy Bros. & Ford, 75 West Mohawk St., (3d) $3,810, C. H. Everitt, 295 Auburn Ave., (4a) $191,500, (5a) $368,292. Noted July 7.

★**N. Y., Cedarhurst**—Apartment—Cedarhurst Constr. Co., c/o Reilly & Hall, archts. and engrs., 405 Lexington Ave., New York City, will build 5 story, 100 x 150 ft., brick, steel and stone, concrete foundation, here. About $200,000. Work will be done by day labor.

★**N. Y., New York**—Theatre—S. B. Steinmetz, 449 East 149th St., will build 2 story, 100 x 200 ft., brick, steel and stone, concrete foundation, on Webster Ave. and 169th St., Bronx. About $250,000. Work will be done by day labor.

N. Y., Syracuse—School—Bd. Contract & Supply opened bids Aug. 22, building Franklin School, on North Alvord St., (1) construction, (2) heating and ventilating, (3) plumbing, (4) electrical wiring, from Shane Constr. Co., Herald Bldg., (1) $387,319; Jenks & Venton Constr. Co., S. A. & K. Bldg., (1) $398,105; H. J. Conrath Co., Erie, Pa., (1) $400,000; Ryan Plumbing & Heating Co., 160 Court St., Watertown, (2) $63,280; W. B. Goldie, 274 James St., (2) $69,381, (3) $26,390; E. Joy & Co., 133 Market St., (2) $68,500, (4) $17,997; Pierce & Shane, Syracuse, (3) $29,700; J. R. Walsh, 319 Montgomery St., (3) $28,486; R. E. Handlin, 212 Montgomery St., (4) $16,100; Industrial Power Corp., Buffalo, (4) $19,919.

★**Pa., Elizabethtown**—Hospital Administration—A. F. of M., c/o A. M. Beitler, Masonic Temple, Phila., let contract building 3 story, 42 x 76 ft., 36 x 110 ft. and 14 x 50 ft. rein.-con., brick and steel, rein.-con. flooring, rock foundation, here, to Hughes-Folkrod Co., Commonwealth Bldg., Phila. About $180,000.

★**Pa., Uniontown**—Hospital—Uniontown Hospital let contract building 3 story, 38 x 168 ft. and 36 x 38 ft., brick and steel, rein.-con. flooring, to W. Sutherland Constr. Co., Erie. About $160,000. Noted July 14.

★**Pa., Washington**—Hotel and Theatre—George Washington Hotel, Inc., let contract building 10 story, 162 x 226 ft., concrete, brick and steel, rein.-con. flooring, on Main and Cherry Sts., to J. W. Cowper Co., 30th and Liberty Sts., Pittsburgh. Noted Aug. 4.

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★**O., Cleveland**—School—Bd. Educ. let contract for masonry and carpentry work on 2 story, concrete, brick and steel addition, on East 126th St. and Signet Ave., to Tanbusch Parker Constr. Co., Union Bldg., $94,487. Total cost $200,000.

Mich., Detroit—School—Bd. Educ. received bids building 3 story, 82 x 246 ft. and 113 x 130 ft. rein.-con., brick and steel, rein.-con. flooring, concrete foundation on Brooklyn Ave., from O. Misch Co., 36 State St., $380,379; M. A. Mahoney, 400 Penobscot Bldg., $398,700; H. G. Christman Co., 315 Stevens Bldg., $408,268. Noted July 28.

★**Mich., Ironwood**—Municipal—City let contract building 2 story, 137 x 161 ft., rein.-con., brick and tile, rein.-con. flooring, concrete foundation, to Albinson Constr. Co., 300 5th Ave., S., Minneapolis, $263,230.

★**Mich., Saginaw** — Hospital — Saginaw General Hospital Assn., Bearinger Bldg., let contract building 4 and 5 story, 50 x 90 ft., rein.-con. and brick, rein.-con. flooring, to O. W. Jankins Constr. Co., 223 South Washington St. About $600,000.

★**Ill., Chicago**—Apartments—Plotke & Grosby, 2532 North Clark St., let contracts building two 3 story, 109 x 143 ft., brick and stone, one on Brompton and Pine Grove Aves., and other on Cornelia and Pine Grove Aves., to Barrett Constr. Co., 77 East Washington St. About $300,000 each.

★**Minn., Bemidji** — High School — Bd. Educ. let contract building 2 story, 148 x 230 ft., rein.-con., steel and brick, rein.-con. flooring, concrete foundation, on 1st and Minnesota Aves., to E. Jackson, Bemidji, $240,200. Noted July 21.

★**Mo., St. Louis**—Stores—F. L. Cornwall and S. Hamburg, La Salle Bldg., will build 2 story, 75 x 400 ft., rein.-con. and brick, on Delmar Blvd. and Clara Ave. About $180,000. Work will be done by day labor. Noted Aug. 18.

★**Okla., Norman**—Ward and Dining Room—State Bd. Pub. Affairs, c/o H. V. Bird, Oklahoma City, let contract building 1 story, 109 x 166 ft. ward and 69 x 100 ft. dining room, rein.-con. brick and stone, to Genl. Constr. Co., Muskogee. About $150,000.

Buildings (Continued)

★**Okla., Vinita**—Hospital—State Bd. Pub. Affairs, c/o H. V. Bird, secy., Oklahoma, let contract building 2 story, 120 x 200 ft., rein.-con., brick and stone, to Manhattan Constr. Co., 3d and Fondulac Sts., Muskogee. About $150,000.

★**Ont., Hamilton**—School—Bd. Educ. let general contract building 3 story, 20 room, rein.-con., brick and steel, concrete foundation, on Lottridge St., to W. H. Cooper, Clyde Bldg., plumbing work, to A. Clark, 7 Main St. N., etc. Total cost about $300,000. Noted Aug. 4.

Federal Government Work

PROPOSED WORK

D. C., Washington — Heating System — Spec. 4510—Bureau Yards & Docks, Navy Dept., plans alterations and additions, in Naval Hospital.

Va., Norfolk — Heating System, etc. — Spec. 4512—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to alter and build addition to underground heating and drainage systems for Electrical Distributing System, here.

Va., Quantico — Water Supply Main — Spec. 4513—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to extend c.i. water supply main, here.

Tex., Port Arthur—Operating Building—Spec. 4511—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to construct, here.

BIDS DESIRED

Pa., Phila. — Hydraulic Dredge — Until Sept. 26, by U. S. Engineer, 815 Witherspoon Bldg., for hire of pipe-line hydraulic dredge and attendant plant, for use on Delaware River; advertised in this issue.

Va., Yorktown—Power Plant Equipment—Spec. 4508—Until Sept. 14, by Bureau Yards and Docks, Navy Dept., Wash., D. C., for mechanical equipment and distributing system in power plant, here. Noted Aug. 25.

O., Cincinnati—Wicket Irons, etc.—Until Sept. 8, by U. S. Engineer Office, 2d Dist., furnishing and delivering, wicket irons, horses and props, for Ohio River Dam 30; advertised in this issue.

PRICES AND CONTRACTS AWARDED

(★Indicates contract awarded)

Mass., Boston—Mechanical Equipment—Spec. 4495—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids installing mechanical equipment, piping and constructing alterations in boiler plant, here. (1) work complete, from W. G. Cornell Co., 923 12th St., N.W., Wash., D. C., (1) $98,115, time as specified, (2) deduct $300; Shevlin Eng. Co., 119 West 34th St., New York City, (1) $106,711 (180 days), (2) deduct $200; Carroll Electric Co., 714 12th St., Wash., D. C., (1) $109,200 (180 days), (2) deduct $400. Noted Aug. 11.

Pa., Philadelphia—Dredging—U. S. Engineer, 815 Witherspoon Bldg., received bids dredging in lower Delaware River, Liston Lighthouse Range, (1) Sect. 10, (2) Sect. 11, involving 1,015,300 cu.yd. and 931,200 cu.yd. respectively, from Arundel Corp., Pier 2, Pratt St., Baltimore, (1) $0.205 (2) $0.205 (1 and 2) $0.205 per cu. yd.; Amer. Dredging Co., 410 Mariner and Merchant Bldg., Phila., (1) $0.225 (2) $0.235 (1 and 2) $0.199 per cu.yd. Noted July 28.

D. C., Wash.—Building—Secretary, Dept. of Interior, received bids constructing home economics building at Howard University, from Consolidated Eng. Co., Calvert Bldg., Baltimore, $169,900 (140 days); A. L. Smith & Co., Woodward Bldg., $175,500; S. R. Harris Co., Union Savings Bk. Bldg., $179,800 (250 days). Noted Aug. 4.

D. C., Wash.—Mechanical Equipment—Secretary, Dept. of Interior, received bids furnishing and installing, in home economics building, at Howard University, from Federal Heating Co., 310-13th St., N. W., $14,711 (60 days); Standard Eng. Co., 2029 I St., N. W., $14,770 (60 days); S. W. Rittenhouse, 1316 Harvard St., N. W., $15,252 (110 days). Noted Aug. 4.

★**Va., Quantico**—Elevated Water Tanks—Spec. 4506—Bureau Yards & Docks, Navy Dept., Wash., D. C., let contract constructing at Marine Barracks, here, to Pittsburgh-Des Moines Steel Co., 959 Munsey Bldg., Wash., D. C., $7,360 (120 days). Noted Aug. 25.

★**Miss., Vicksburg**—Towboat—Mississippi River Comn., 3d Dist., P. O. Box 404, let contract furnishing steel hull towboat, to Howard Shipyard & Dock Co., Jeffersonville, Ind., $49,697. Noted July 7.

Mich., Detroit—Dredging—U. S. Engineer, 337 Federal Bldg., received bids dredging shoal areas in West Neebish Channel, St. Marys River, involving 90,000 cu.yd. sand, silt and clay, with possible overdepth of 30,000 cu.yd., from Duluth-Superior Dredging Co., foot of 45th Ave., W., Duluth, Minn., $0.359 per cu.yd.; Greilling Bros. Co., 100 Blk. E. Walnut St., Green Bay, Wis., $0.42; Great Lakes Dredge & Dock Co., 104 South Michigan Ave., Chicago, $0.45. Noted July 28.

FEDERAL POWER COMMISSION

Application for Licenses and Permits

Applications

237. Excelsior Water & Mining Co., Sacramento, Cal.—Wants permit for power development on the Middle and South Forks of Yuba River, and on Deer Creek, in Nevada and Yuba Counties, Tahoe National Forest, Cal. Project includes 3 reservoirs, 6 mi. tunnels, 55 mi. concrete lined canals, and 6 power houses, with a total development of 115,000 hp.

238. Los Angeles, Cal.—Wants permit for power project in Boulder Canyon, Colorado River, Mohave Co., Ariz., and Clark Co., Nev. Dam 550 ft. high.

239. Northern States Power Co., Minneapolis, Minn.—Wants to develop power at U. S. Dam 1, St. Paul, Mississippi River.

Licenses and Permits Granted

70. Rock Creek Power Co., Missoula, Mont.—Reservoir, conduit and power house on Rock Creek, Granite Co., Mont., in Missoula National Forest.

108. Wisconsin-Minnesota Light & Power Co., Grand Rapids, Mich.—Dam and Reservoir at Fork of Chippewa River, Sawyer Co., Wis.

130. G. S. Eyre, Buena Vista, Cal.—Diversion dam, pipe line, power house and Transmission line, Chalk Creek, Chaffee Co., Col.

55. R. Bingham, Pensacola, Fla.—Preliminary permit power projects on Perdido, Styx and Blackwater Rivers.

199. Columbia Ry. & Navigation Co., Columbia, S. C.—Preliminary permit 24 mi. canal, and power development.

Miscellaneous

PROPOSED WORK

Ratproofing Sheds—New Orleans, La.—Bd. Port Comrs. receives bids in about 30 days, for ratproofing wharves and approaches on St. Andrew St., cost $40,000, Celeste St., $250,000, Robins St., $200,000, A. Gallagher, c/o Bd. Port Comrs., 1 Canal St., ch. engr. Noted Aug. 4.

Park, etc.—Monett, Mo.—Industrial Development Co. having plans prepared by B. Robbins, archt. and engr., developing park near Verona. Project includes grading and paving, sewerage system and 2 or 3 story club buildings. About $400,000.

Power Development—Cochrane, Ont.—Hollinger Consolidated Mines, Ltd., Timmins, having surveys made by Lutcliffe & Nellands, engrs., New Liskeard, for developing water power, at Kettle Falls on Abitibi River about 20 mi. northwest of here. About $2,000,000.

BIDS DESIRED

Standpipe—Belchertown, Mass.—Until Sept. 8, by W. A. Merrill, Room 109E, State House, Boston, for roofed steel standpipe at the proposed State School, here. Advertised in this issue.

Core Borings — New Britain, Conn.—Until Sept. 7, by Bd. Water Comrs., 201 City Hall, for core borings at Shuttle Meadow Dam, here and Southington. J. D. Williams, city engr.; advertised in this issue.

Crane, New York, N. Y.—Until Sept. 28, by C. L. Cadle, supt. Pub. Wks., Capitol, Albany, furnishing and installing one 3 ton electric burtoning crane, on barge canal terminal, at Mott Ave., here, Terminal Contr. 119; advertised in this issue.

Pipe—Haworth, N. J.—Until Sept. 6, by Boro., Boro. Hall, furnishing 1,750 ft. 12 in. No. 2 tile pipe, f.o.b. Haworth. G. G. Haberstick, boro clk.; advertised in this issue.

Levee—Frankfort, Ky.—Until Sept. 6, by W. S. Rooson, mayor, constructing levee. S. F. Crecelius, Danville, civil engr.; advertised in this issue.

Ball Park—Detroit, Mich.—Detroit Base Ball Co., c/o F. Navin, pres., Trumbull and Michigan Aves., receiving bids building 1 story, concrete and steel addition to ball park, on Michigan Trumbull Aves. About $250,000. Osborn Eng. Co., 2848 Prospect Ave., Cleveland, O., engrs.

Fire Hydrants — Detroit, Mich. — Until Sept. 6, by Dept. Purchases & Supplies, furnishing 500 fire hydrants for extension of high pressure fire mains. About $25,000.

Standpipe System—Detroit, Mich.—Until Sept. 6, by Street Ry. Comn., 155 West Congress St., furnishing and erecting steel standpipe system for street railway car house, office and repair shops. About $25,000. W. C. Markham, 155 West Congress St., engr.

Cast Iron Pipe—St. Paul, Minn.—Until Sept. 6, by H. W. Austin, city Purch. Agt., furnishing 800 lengths 6 in. c.i. pipe for water dept. O. Claussen, city engr.

Docks—Houston, Tex.—Until Sept. 12, by City Secretary, building, 80 x 800 ft. creosoted pile and timber extension to cotton docks on North Side of Turning Basin. O. F. Holcombe, mayor.

Subway—Aurora, Ont.—Until Sept. 8, by W. A. McLean, deputy minister of highways, Toronto, building concrete subway under Grand Trunk R. R. tracks, here. About $35,000. G. Hogarth, Parliament Bldgs., Toronto, engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Foundation—Fairfield, Conn.**—Porcupine Co., Worden Ave., Bridgeport, let contract building foundation of 1 story, 130 x 320 ft. plant, on Post Rd., here, to T. J. Pardy Constr. Co., 1481 Seaview Ave., Bridgeport. About $30,000. Noted June 9 under "Industrial Works."

Gyratory Crusher, etc.—New York, N. Y.— H. H. Curran, pres. Manhattan Boro, Municipal bldg., opened bids Aug. 24, furnishing and installing (1) gyratory crusher, inclined bucket elevator and asphalt mixer, etc., furnishing and erecting (2) new structural steel, cutting and re-erecting steel in Municipal Asphalt Plant, 90th St. and East River, from C. Meads & Co., 217 W. 14th St., (1) $14,477, (2) $2,155; O'Rourke Crane & Eng. Co., Inc., 366 5th Ave., (1) $14,915, (2) $2,506; P. T. Cox Contg. Co., 154 Nassau St., (1) $14,985, (2) $2,950; E. Balaban, 92 Morningside Ave., (2) $2,209. Noted Aug. 18.

★**Wood Paving Blocks—New York, N. Y.**—City let contract furnishing and delivering 5,500 sq.yd. wood paving blocks, to Amer. Creosoting Co., 17 Battery Pl., $12,595. Noted Aug. 18.

★**Wharf—New Orleans, La.**—Bd. Port Comrs. let contract building wharf and approaches at foot of Charbonnet St., to Dalgren Constr. Co., Room 303 Canal Bank Bldg., $99,450.

★**Tunnell—Cleveland, O.**—City let contract building underground passage-way in Edge-water Park, involving 560 cu.yd. concrete and 42,000 lb. steel, etc., to Central Dredging Co., Bangor Bldg., $44,517.

Boilers and Stokers—Detroit, Mich.—Water Bd. received bids furnishing and installing four 400 h.p. water tube boilers in pumping station, from Wickes Boiler Co., 512 North Water St., Saginaw, $36,187; Erie City Iron Wks., Erie, Pa., (single drum boilers), $35,000 Springfield Boiler Co., 330 South East Grand Ave., Springfield, Ill., (single cross drum boilers) $36,300; also four underfeed stokers for 400 h.p water tube boilers, from Detroit Stoker Co., 7342 Woodward Ave., $22,230; Amer. Eng. Co., Aramingo and Cumberland Sts., Phila. Pa., $22,995; Frederick Eng. Co., Frederick, Md., $22,656.

★**Breakwater — Milwaukee, Wis.** — Park Bd., City Hall, let contract constructing 260 lin. ft. rubble mound breakwater on Lake Shore Dr., Sect. 3, involving 15,000 tons stone, to E. E. Gillen Co., 120 Wisconsin St., at $3.22 per ton. Noted Aug 4.